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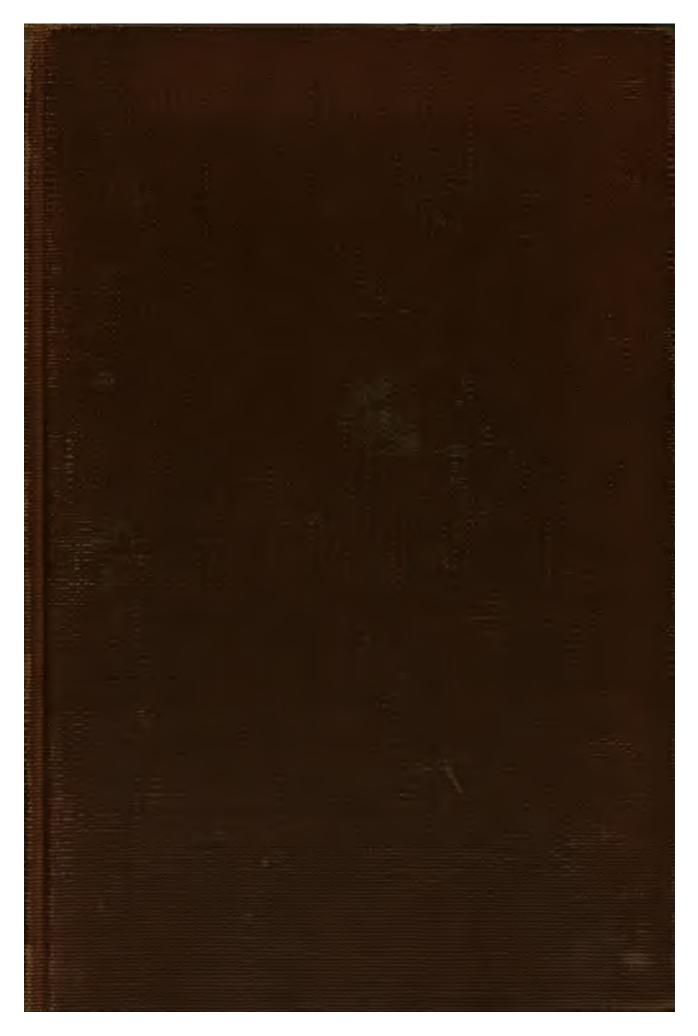
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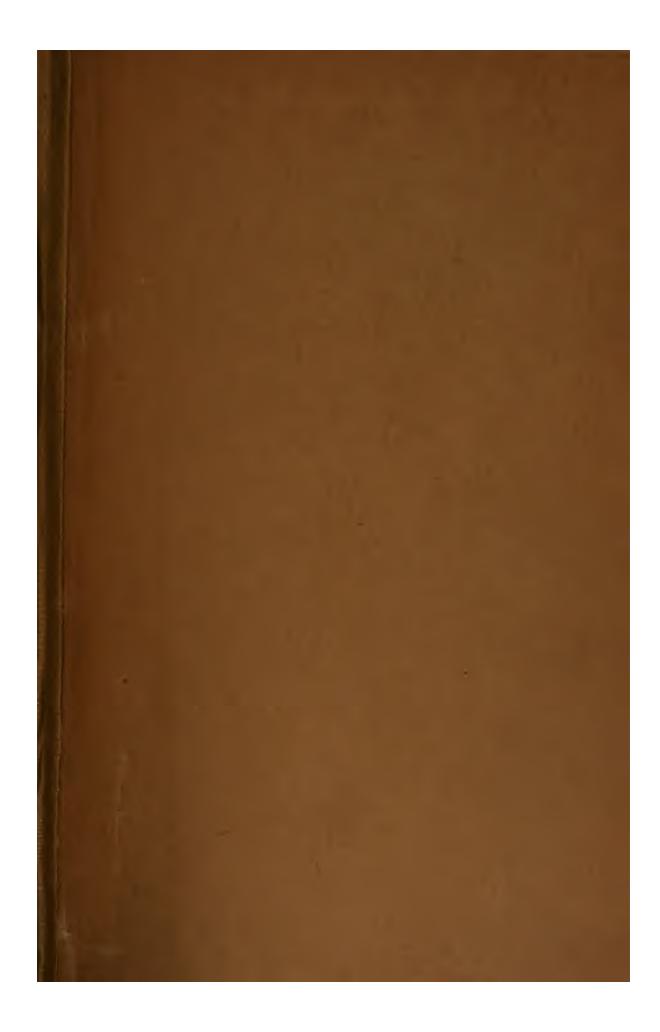
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PROPERTIES OF STEAM AND AMMONIA

BY

G. A. GOODENOUGH, M.E.

PROFESSOR OF THERMODYNAMICS, UNIVERSITY OF ILLINOIS

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PREFACE

A TABLE of the thermal properties of a vapor should possess two characteristics, consistency and accuracy. A table is thermodynamically consistent when the tabular values are obtained from equations that are properly connected by the necessary thermodynamic relations, such as the Clausius and Clapeyron relations; it may be considered accurate if the calculated values show satisfactory agreement with trustworthy experimental data.

The older tables of the properties of steam were neither consistent nor accurate. The tabular values were calculated from empirical formulas based chiefly on Regnault's data, and the necessity of consistency was not recognized. Two sets of tables have been based on the general theory developed by Callendar. These are absolutely consistent, but in the light of the knowledge acquired from the Munich experiments, they can no longer be regarded as accurate. In certain tables that have appeared recently have been embodied the results of the Munich experiments and also the researches of Dr. Davis on the total heat of steam. These tables are undoubtedly far more accurate than the earlier tables, but, having a more or less empirical basis, they are not rigorously consistent.

The tables of the properties of saturated and superheated steam here presented are based on a new formulation the essential features of which are discussed in the first section of the book. A more complete exposition will be found in Bulletin No. 75, Engineering Experiment Station, University of Illinois. The new theory correlates perfectly the experiments on the volume and specific heat of superheated steam; it gives values of the heat content of saturated steam that agree with those deduced by Davis from the throttling experiments; and, in general, it meets satisfactorily all the tests furnished by the available experimental evidence. The tables derived from the formulation are necessarily consistent, and they are at the same time extremely accurate.

The tables of the properties of ammonia are based on a formulation worked out by Mr. W. E. Mosher and the author. (Bulletin No. 66, Eng'g Exper. Station, Univ. of Ill.) Since, in the case of ammonia, the experimental evidence is far from complete, the formulation is regarded as only tentative, and the tables will perhaps require revision as further experiments are made.

Several supplementary tables have been included. Of these, Table 6, Mixtures of Air and Water Vapor, will be found specially useful in connection with problems that involve hygrometric conditions.

The Mollier diagrams for steam and ammonia can be used as a substitute for the tables in the approximate solution of certain classes of problems. The use of the diagrams is illustrated by the examples on pages 27 and 28.

The author acknowledges his indebtedness to Mr. W. E. Mosher for his cordial consent to the use of the ammonia tables; and to Professors L. A. Harding and A. C. Willard for many valuable suggestions.

G. A. GOODENOUGH.

URBANA, ILL., June, 1915.

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NOTATION

The symbols given below are used throughout the preliminary discussion of the properties of vapors, and in the tables. In the selection of symbols the following principles have been observed. I. The prevailing usage of recent writers on thermodynamics, for example, Bryan and Planck, has been followed. 2. In the case of magnitudes proportional to the mass of the medium under consideration, as volume, entropy, energy, small (lower case) letters are used to represent the value per unit weight. 3. The liquid state is characterized by a symbol with a prime, and the state of saturated vapor by a double prime. Thus s' and u' denote respectively the entropy and energy of the liquid, s'' and u'', the same properties of the saturated vapor.

```
J = mechanical equivalent of heat
```

$$A = \frac{I}{I}$$
, reciprocal of mechanical equivalent

$$t =$$
temperature on F. or C. scale

$$T = absolute temperature$$

$$p = pressure$$

$$\gamma = \frac{I}{n}$$
 weight of unit volume

$$c_{\bullet}$$
 = specific heat at constant volume

$$c_p$$
 = specific heat at constant pressure

$$u = intrinsic energy per unit weight$$

$$q =$$
 heat absorbed by fluid per unit weight

$$q'$$
 = heat of liquid

$$q''$$
 = total heat of saturated steam

$$i = \text{heat content} = u + Apv$$

$$r =$$
 latent heat of vaporization

$$\rho = r - \psi = internal latent heat$$

$$\psi = A p (v'' - v') = \text{external latent heat}$$

s = entropy

 $[\]mu$ = Joule-Thomson coefficient

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Properties of Steam and Ammonia

THE THERMAL PROPERTIES OF STEAM

Experimental Data. — Recent experimental investigations of the various properties of saturated and superheated steam have furnished data of a high degree of accuracy covering nearly every phase of the subject. The following is a summary of the more important of these investigations.

- I. The relation between the pressure and temperature of saturated steam has been established definitely by three series of experiments made respectively by Holborn and Henning, Holborn and Baumann, and Scheel and Heuse. The three series taken together cover the range 32° F. to the critical temperature. These experiments were conducted at the Reichsanstalt with all the resources afforded by modern apparatus and methods of precise measurement.
- 2. The relation between volume, pressure, and temperature of superheated steam has been determined by the experiments of Knoblauch, Linde, and Klebe at the Munich laboratory. These experiments afford satisfactory data for the range of pressure and superheat covered.
- 3. A number of experiments have been made to determine the specific heat of superheated steam. Of these, the experiments conducted in the Munich laboratory, first by Knoblauch and Jakob and afterward by Knoblauch and Mollier, are justly accepted as the most reliable. Similar experiments covering a wider range of pressure are being made by Lanz and Schmidt.
- 4. The direct experiments of Griffiths, Joly, Smith, Henning, and Dieterici furnish data on the latent heat of saturated steam.
- 5. The variation of the specific heat of water has been the subject of several investigations. For the range 32°-212° F. the experiments of Barnes have been verified by those of Callendar, and they are generally accepted. Above 212° F. precise measurements of this important property are lacking. The only available experiments are those of Regnault and Dieterici, and neither of these can be accepted as thoroughly reliable.
- 6. Four sets of experiments on the throttling of steam by Grindley, Griessmann, Peake, and Dodge, respectively, furnish valuable data that may be used for various purposes.

Development of a General Theory. — The various thermal properties of a vapor are related through well-known thermodynamic laws. Thus the Clausius relation

$$\left(\frac{\partial c_p}{\partial p}\right)_T = -AT\left(\frac{\partial^2 v}{\partial T^2}\right)_p$$

connects the specific heats and volumes of the superheated vapor; and the Clapeyron equation

$$r = A T(v'' - v') \left(\frac{dp}{dT}\right)_{\text{sat}}$$

expresses a relation between the latent heat r, temperature, change of volume v'' - v' during vaporization, and the derivative $\frac{dp}{dT}$ of the pressure-temperature function.

A satisfactory formulation of the properties of a vapor therefore involves two processes. I. The establishment of equations for the various properties that represent accurately the most reliable of the experimental data. 2. The correlation of such equations through the thermodynamic laws. If such correlation can be effected without sacrifice of accuracy, the resulting formulation will have the equally essential attributes, accuracy and consistency.

The experimental evidence summarized in the preceding section is sufficiently extensive and trustworthy to justify the conclusion that a satisfactory formulation of the properties of water vapor may be worked out; and in the following sections is described the development of a consistent theory that apparently gives with extreme accuracy the properties of superheated and saturated steam over a range of pressure and temperature far wider than the range employed in technical applications.

Pressures and Temperatures of Saturated Steam. — The early experiments of Regnault have been superseded by the recent experiments conducted at the Reichsanstalt. Each of the three series of experiments conducted covered a different range of temperature. Scheel and Heuse's * experiments covered the lower range 0-50° C. (32°-122° F.), Holborn and Henning's † the range 50°-200° C. (122°-392° F.), while Holborn and Baumann's ‡ experiments extended from 200° C. to the critical temperature.

The values of the saturation pressure as deduced from the respective sets of experiments are given in the following tables. In the third table the values are not those given by Holborn and Baumann but values deduced therefrom by Prof. Marks.§

^{*} Annalen der Physik (4), Vol. 31, pp. 715-735, 1910.

[†] Annalen der Physik (4), Vol. 25, pp. 833-883, 1908.

[‡] Annalen der Physik (4), Vol. 31, pp. 945-970, 1910. See also articles by Risteen: The Locomotive, Vol. 26, pp. 85, 183, 246; Vol. 27, p. 54; Vol. 28, pp. 88, 118.

[§] Proc. A. S. M. E., Vol. 33, p. 572.

SCHEET.	ARTE	TENTECTS
SCHEEL.		HRIISE

Temp.	Pressure in mm. of mercury										
• C.	0	I	2	3	4	5	6	7	8	9	
0	4.579	4.926	5-254	5.685	6.101	6.543	7.014	7.514	8.046	8.610	
10	9.210	9.845	10.519	11.233	11.989	12.790	13.637	14.533	15.840	16.481	
20	17.539	18.655	19.832	21.074	22.383	23.763	25.217	26.747	28.558	30.052	
30	31.834	33.706	35.674	37.741	39.911	42.188	44.577	47.082	49.708	52.459	
40	55.341	58.36	61.52	64.82	68.28	71.90	75.67	79.62	83.74	88.05	
50	92.54			1							

HOLBORN AND HENNING

		Pre	ssure in mm. of me	rcury	
Cemp. ° C.	0	2	4	6	8
50	92.3	101.9	112.3	123.6	135.9
50 60	149.2	163.6	179.1	195.9	214.0
70 80	233.5	254.5	277.1	301.3	327.2
80	355.1	384.9	416.7	450.8	487.1
90	525.8	567.1	611.0	657.7	707.3
100	760.o	815.9	875.1	937-9	1004
110	1074.5	1149	1227	1310	1397
120	1489	1586	1687	1795	1907
130	2026	2150	2280	2416	2560
140	2709	2866	3030	3202	3381
150	3569	3764	3968	4181	4402
160	4633	4874	5124	5384 6848	5655
170	5937	6229	6533	6848	7175
180	7514	7866	8230	8608	8999
190	9404	9823	10256	10705	11168
200	11647	12142	12653		

HOLBORN AND BAUMANN

Temp.	Pressure in lb. per sq. in.											
• F.	0	10	20	30	40	50	60	70	80	90		
400	246.99	276.34	308.33	343.18	380.92	421.85	465.95	513.65	565.08	620.18		
500 600	679.26 1539.9	742.55 1657.8	810.31 1782.9	882.58 1915.3	959.85 2055.1	1042.2 2203.1	1130.2 2359.2	1223.7 2523.4	1323.0 2697.1	1428.3 2882.3		
700	3083.4											

Of the many formulas that have been proposed for the relation p = f(t) between the pressure and temperature of saturated steam, a number are simply modifications of the general equation

$$\log p = A + \frac{B}{T} + C \log T + DT + ET^2 + FT^3 + \cdots$$

The number of constants may be increased indefinitely by taking additional terms involving the higher powers of T. The signs of the coefficients B, C, D, E, etc., may be either positive or negative. Many of the proposed equations are simpler in form than the preceding, in particular Bertrand's equations, which have been extensively used.

However, such equations cannot be extended over any considerable temperature range without change of constants, and it is, of course, desirable that the entire range 32° F. to the critical temperature be represented by a single equation with the same constants.

After a number of trials the preceding equation was written in the form

$$\log p = A - \frac{B}{T} - C \log T - DT + ET^2 - \Delta \tag{A}$$

where

$$\Delta = 0.0002 \left[10 - 10 \left(\frac{t - 370}{100} \right)^2 + \left(\frac{t - 370}{100} \right)^4 \right]$$

The addition of the term Δ amounts to the inclusion of terms in T^* and T^4 in the general formula. The constants are

$$A = 10.5688080$$
 $\log D = \overline{3}.6088020$ $\log B = 3.6881209$ $\log E = \overline{6}.1463000$ $C = 0.0155$ $T = t + 459.6$

The agreement between the formula and the experimental values is shown in Fig. 1. The equation is used as a standard of reference and

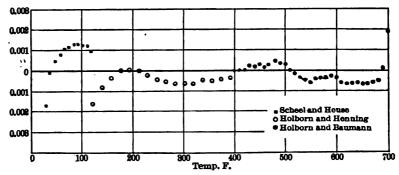


FIG. 1. PRESSURE AND TEMPERATURE OF SATURATED STEAM.

ordinates represent the relative deviation of the experimental values of p (taken from the preceding tables) from the calculated values. 200 to 700 degrees the agreement is remarkably good, the deviations for the most part being less than I in 2000. Below 200 degrees the discrepancies are relatively larger but absolutely very small. Thus the discrepancy at 122° F. between the last Scheel and Heuse point and the first Holborn and Henning point, which looks large in the figure, is only The equation gives an intermediate value at 0.24 mm. of mercury. this temperature. At 32 degrees the equation gives 4.587 mm., while the value generally accepted is 4.579 mm. of mercury. So far as pressures are concerned the discrepancy is unimportant. The significant

fact is that the derivative $\frac{dp}{dT}$ is quite uncertain at low temperatures.

Volume of Superheated and Saturated Steam. Characteristic Equations. — Direct experiments on the specific volume of saturated and superheated steam have been made by Ramsay and Young,* by Battelli,† and by Knoblauch, Linde, and Klebe.‡ The experiments in the Munich laboratory were so superior in all respects to those of the other investigators, that the results have been generally accepted.

In conducting these experiments the volume of a predetermined weight of steam was kept constant and corresponding temperatures and pressures were observed. These observed values of p and t when plotted give a constant volume curve, or "isochor" on the pt-plane. It was found that the curves, within the limits of accuracy of the experiments, were straight lines. These lines were prolonged to intersect the saturation curve p = f(t), and the points of intersection gave, therefore, simultaneous values of p, v, and t, at the saturation limit.

For convenience in establishing a characteristic equation, Linde made use of the scheme of representation devised by Amagat. Values of the product pv were plotted as ordinates against values of p as abscissas. The experimental points were not taken for this purpose but rather the points determined by the intersection of the successive isochors by lines of constant temperature. In this way the points on the pv-p plane are separated into groups, each of which is associated with a particular temperature. In other words, curves through the successive sets of points are lines of constant temperature, or isotherms. Fig. 2 shows the points as thus determined.

Callendar § in his paper on the properties of gases and vapors had from theoretical considerations deduced the characteristic equation

$$v-b=\frac{BT}{p}-c_0\left(\frac{T_0}{T}\right)^{3.5},$$

in which b represents the minimum volume or co-volume of Hirn and van der Waals. This equation gives fair agreement with the experimental values at the lower temperatures, but it requires that the isotherms on the pv-p plane be straight lines, while the experimental points indicate that they should have appreciable curvature. In Linde's equation

$$v = \frac{BT}{b} - (\mathbf{I} + ap) \left[C \left(\frac{373}{T} \right)^3 - D \right]$$

the introduction of the term (1 + ap) provides for the requisite curvature. The resulting isotherms are parabolas.

While Linde's equation represents the experiments very closely, it is open to two serious objections. I. At 402° C. the "correction term" changes sign. 2. The equation cannot be reconciled with the accepted

^{*} Phil. Trans. Roy. Soc. of London, Vol. 183-A, p. 107 (1892).

[†] Annales de Chimie et de Physique (7), Vol. 3, p. 408 (1894).

[†] Mitteilungen über Forschungsarbeit., Vol. 21, pp. 33-72 (1905).

[§] Proc. of the Royal Soc. of London, Vol. 67 (1900), pp. 266-286.

specific heat measurements through the Clausius relation. In the attempt to remove these objections several equations have been developed and the one finally chosen has the form

$$v - c = \frac{BT}{p} - (1 + 3 a p^{\frac{1}{2}}) \frac{m}{T^n}$$
 (B)

That equation (B) satisfactorily represents the experiments is shown by Fig. 2, in which the points represent the experimental values transferred

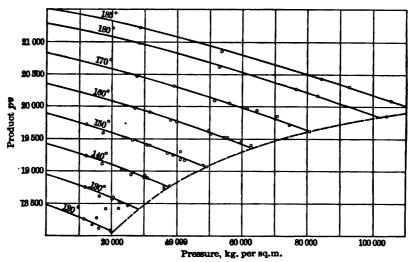


Fig. 2. Isothermal Curves from Eq. (B). The Points Represent the Experiments of Knoblauch, Linde, and Klebe.

to the pv-p plane, and the curves represent the equation with the various constant values of T indicated.

The term c in the equation is not strictly a constant. Following the suggestion of Callendar, this "co-volume" term is taken as the volume of the liquid corresponding to the pressure p. Hence when the equation is used to determine the volume of saturated steam the first member becomes v'' - v', that is, the increase of volume during vaporization.

The following are the constants.

Metric Units	English Units
(p in kg. per sq. m.)	(p in lb. per sq. in.)
$\log B = 1.67213$	$\log B = \overline{1.77448}$
$\log m = 8.59929$	$\log m = 10.82500$
$\log 3 a = \overline{3}.28644$	$\log 3 a = \bar{2}.71000$
n = 4	n = 4

Specific Heat of Superheated Steam. — The experiments on specific heat may be divided into groups as follows:

- 1. The early experiments of Regnault with steam at atmospheric pressure and at temperatures relatively close to saturation.
- 2. The experiments of Mallard and Le Chatelier, Langen, and Pier at very high temperatures.

- 3. The experiments of Holborn and Henning with steam at atmospheric pressure and a temperature range of 110°-1400° C.
- 4. Recent direct experiments with steam at various pressures. Of these, the experiments of Knoblauch and Jakob and of Knoblauch and Mollier performed in the Munich laboratory are specially noteworthy. Similar experiments have been made by Thomas.

Regnault's experiments made in 1862 * indicated a constant value of $c_p = 0.4805$. Davis † has recomputed Regnault's values and has deduced a somewhat smaller value, namely, $c_p = 0.4762$. For the pressure and range of temperature covered in the experiment, Regnault's value agrees well with the results of recent experiments.

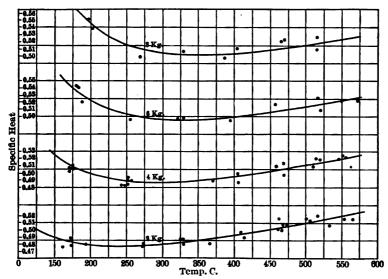


Fig. 3. Curves of Specific Heat Deduced from Eq. (C). The Points Represent the Experiments of Knoblauch and Mollier.

The high temperature experiments noted in group 2 have only an indirect bearing on the present discussion. The results obtained by the different investigators are discordant, but they all agree in showing a marked increase of specific heat with rising temperature. Thus Langen's experiments are represented by the linear relation

$$c_p = 0.439 + 0.000239 t.$$

The experiments of Holborn and Henning \ddagger form a link between the high temperature experiments of group 2 and the experiments of group 4. These measurements indicate values of c_p consistently lower than those obtained in the Munich experiments. While considerable weight must be attached to the Holborn and Henning experiments, it seems probable that preference must be given the Knoblauch and Mollier

^{*} Mem. Inst. de France, Vol. 26, p. 167 (1862).

[†] Proc. Am. Acad., Vol. 45, p. 286 (1910).

[‡] Annalen der Physik, Vol. 18, p. 739 (1905); Vol. 23, p. 809 (1907).

measurements. Callendar * has expressed the opinion that the Holborn and Henning values are too low by as much as 10 per cent.

Knoblauch and Jakob,† and subsequently Knoblauch and Mollier,‡ made observations of the specific heat at four different pressures, 2, 4, 6, and 8 kg. per sq. cm. The latter experiments extended the temperature range of the former from 350°-550° C.

After reviewing all the experimental evidence one must be convinced that for the range of temperature covered, the Knoblauch and Mollier measurements should be accepted without modification. These are shown in Fig. 3. For convenience in the identification of the measurements associated with the four pressures employed, the points have been separated into four groups.

By a combination of the characteristic equation (B) and the Clausius relation a general equation for the specific heat c_p may be derived. From the equation

$$v-c = \frac{BT}{p} - (1+3ap^{\frac{1}{2}})\frac{m}{T^n}$$

the second derivative

$$\left(\frac{\partial^2 v}{\partial T^2}\right)_p = -\left(1 + 3ap^{\frac{1}{2}}\right) \frac{mn}{T^{n+2}} \frac{(n+1)}{T^{n+2}}$$

is obtained. Hence, from the Clausius relation,

$$\left(\frac{\partial c_p}{\partial p}\right)_T = -AT\frac{\partial^2 v}{\partial T^2} = \frac{Amn(n+1)}{T^{n+1}}(I+3ap^{\frac{1}{2}}).$$

An integration with T constant gives an expression for c_p , namely

$$c_p = F(T) + \frac{Amn(n+1)}{T^{n+1}} p(1+2ap^{\frac{1}{2}}).$$

The arbitrary function F(T) is evidently c_{p_0} , that is, the specific heat at zero pressure. This was taken as a constant by Callendar. The experiments of Knoblauch and Mollier show that c_{p_0} cannot be constant, and this conclusion is confirmed by the high-temperature experiments of Langen and others. It has been suggested that a simple linear relation

$$c_{p_0} = \alpha + \beta T$$

may be assumed, but it is found that better results are obtained by a relation of the form

$$c_{p_0} = \alpha + \beta T + \frac{\gamma}{T^2}$$

Writing the equation for c_p in the form

$$c_p = F(T) + f(p, T)$$

values of the term f(p, T) may be calculated for each of the Knoblauch and Mollier experiments, and by subtraction the corresponding values of

^{*} Report of British Assoc. Committee on Gaseous Explosions, pp. 31, 32 (1908).

[†] Mitteil. über Forschungsarbeit, Vol. 35, p. 109.

[‡] Zeit. des Ver. deutsch. Ing., Vol. 55, p. 665 (1911).

 $c_n = F(T)$ are found. From the curve through these points the constants α , β , and γ are obtained. The equation for c_r finally takes the form

$$c_p = \alpha + \beta T + \frac{\gamma}{T^2} + \frac{Amn(n+1)}{T^{n+1}} p(1 + 2ap^{\frac{1}{2}}),$$
 (C)

and the constants are

Metric	English
$\alpha = 0.320$	0.320
$\beta = 0.0002268$	0.000126
$\gamma = 737I$	23583

The constants a, m, and n are those of the characteristic equation.

If in Eq. (C) various constant values of p are substituted, the result is a family of c_p -curves, $c_p = f(t)$. A comparison of this system of c_p -curves with the systems established by Davis * and by Jakob † reveals certain essential differences. In Fig. 3 the curves for 2, 4, 6, and 8 kg.

per sq. cm. are shown superposed on the Knoblauch and Mollier points. It is evident that the agreement is satisfac-Jakob's system repretory. sents the experiments equally well. In carrying the curves to the saturation curve both Davis and Jakob assume a sharp increase of c_p and the result is a system of values of c_p at saturation that appear to be unwarrantably high. Fig. 4 shows a comparison of the values of $(c_p)_{\text{sat}}$. Curve A is deduced from Eq. (C), curve J represents Jakob's values, and the points represent the Davis values; curve T represents the experiments of Thomas, and curve C the values calculated by Callendar. Passing now to the other end of the temperature range,

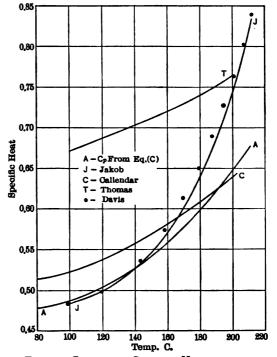


Fig. 4. Curves of Specific Heat at the Saturation Limit.

values of c_p calculated from Eq. (C) agree fairly well with the experimental values of Langen, Pier, and Holborn at high temperatures 1000°-2000° C. Jakob's values tend to run somewhat lower, and the Davis system of values still lower. Hence it may be asserted that the system derived from Eq. (C) (1) satisfies the Knoblauch and Mollier experi-

^{*} Marks and Davis, Steam Tables and Diagrams, p. 97.

[†] Zeit. des Verein. deutsch Ing., Vol. 66, pp. 1981-3. 1912.

ments at least as well as the other systems, (2) gives more probable values of c_p at saturation, and (3) gives more trustworthy values of c_p at high temperatures.

Regnault's measurements of c_p at atmospheric pressure may be used as a rough check on corresponding values calculated from Eq. (C). The four series of experiments covered the temperature range 122.8°-231.1° C. The mean value of c_p given by Regnault was 0.4805, but this value is lowered to 0.4762 by Davis. All experiments were conducted at atmospheric pressure. The following table gives values of c_p at atmospheric pressure calculated from the equation, also the values assigned by Jakob for the slightly lower pressure, I kg. per sq. cm.

SPECIFIC HEAT AT ATMOSPHERIC PRESSURE

Temp. ° C.	100	150	200	250	300	350	400
From Eq. (C)	0.489	0.474	0.470	0.472	0.476	0.483	0.491
	0.482	0.473	0.471	0.473	0.477	0.483	0.490

The mean c_p deduced from the equation agrees very well with the recomputed value 0.4762.

Heat Content of Superheated and Saturated Steam.—From the two laws of thermodynamics the following general equations are derived.

$$dq = c_p dT - A T \left(\frac{\partial v}{\partial T}\right)_p dp,$$

$$di = c_p dT - A \left[T \left(\frac{\partial v}{\partial T}\right)_p - v\right] dp.$$

In the second equation we introduce the expression for c_p given by (C) and the expressions for $\left(\frac{\partial v}{\partial T}\right)_p$ and v obtained from the characteristic equation (B). The result of the substitutions is the exact differential equation

$$di = \left[\alpha + \beta T + \frac{\gamma}{T^2} + \frac{Amn (n+1)}{T^{n+1}} p (1 + 2 a p^{\frac{1}{2}})\right] dT$$
$$- A \left[\frac{m (n+1)}{T^n} (1 + 3 a p^{\frac{1}{2}}) - c\right] dp,$$

which upon integration gives the following equation for the heat content,

$$i = \alpha T + \frac{1}{2}\beta T^2 - \frac{\gamma}{T} - \frac{Am(n+1)}{T^n}p(1+2ap^{\frac{1}{2}}) + Acp + i_0.$$
 (D)

The constant i_0 is determined as follows. Corresponding saturation values of p and t at some definite temperature, say 212 degrees, are substituted in the equation, which for this purpose may be written

$$i_{\text{mat}} = \phi(p, T) + i_0.$$

The function $\phi(p, T)$ is thus calculated, and i_{net} being known, i_0 is found by subtraction. The value $i_0 = 948.54$ B.t.u. is thus determined.

Since the constant c is taken as the liquid volume v', the term Acp is Apv', which is the small difference between the heat content i'' and the total heat q''. Hence, when applied at the saturation limit, equation (D) gives i'' and the same equation with the term Acp omitted gives q''.

At the saturation limit formula (D) may be checked with the Davis formula for heat content, which is surely valid within the range 212°-400° F. The comparison is shown graphically in Fig. 5. The points are

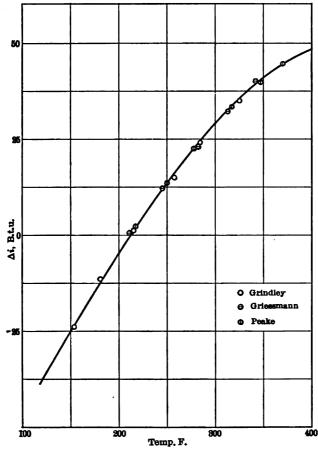


Fig. 5. Comparison of i"-Curve from Eq. (D) with Points Deduced from the Throttling Experiments.

those determined by Davis from the throttling experiments of Grindley, Griessmann, and Peake, and they are plotted from the data given in Table 1 of Davis' paper.* The ordinates represent the difference between the i at the given temperature t and the i at 212 degrees. The curve therefore represents the equation

$$i'' - i''_{212} = f(t),$$

where i'' is calculated from the formula and $i''_{212} = 1151.74$. The curve does not fit the points quite as well as the Davis second-degree curve,

^{*} Proc. Am. Acad., Vol. 45, p. 276.

but the agreement is satisfactory and is probably well within the limits of accuracy of the throttling experiments. Beyond the last point the curve begins to bend downward rather sharply and thus diverge from the prolonged Davis curve. The maximum value of i'' is reached at about 440 degrees, while the Davis equation gives the maximum at about 550 degrees.

For the lower range 32-212 degrees, values of i'' calculated from equation (D) show excellent agreement with the available experimental values. In the following section on latent heat a comparison will be shown.

In the region of superheat formula (D) may be checked by the throttling experiments of Grindley, Griessmann, and Peake. According to the principles of thermodynamics a throttling process is also a constant-i process; that is, the points obtained in any particular throttling experiment when plotted on the pt-plane should lie on a curve i = const. When the curves are superposed on the experimental points good agreement is shown. (See Fig. 9, Bulletin No. 75, Eng. Exper. Station Univ. of Ill.)

Essentially the same test may be applied in another way. The slope of a curve i = const. on the Tp-plane is given by the derivative $\left(\frac{dT}{dp}\right)_{i=\text{const.}}$ and this is the Joule-Thomson coefficient μ . From equation (D) the following expression for μ is readily obtained:

$$\mu = \frac{A}{c_p} \left[\frac{m (n+1)}{T^n} (1 + 3 a p^{\frac{1}{2}}) - c \right].$$

Davis has computed values of μ from the various throttling experiments, and these may be compared with values calculated from the preceding equation. Reasonably good agreement is shown. (See Bulletin No. 75, Fig. 15.)

Specific Heat of Water. Heat of Liquid. — For the temperature range $32^{\circ}-212^{\circ}$ F. (0°-100° C.) there are available five sets of experiments on the variation of the specific heat of water with the temperature. The curves that represent the results of these experiments are separable into two groups having quite different characteristics. Ludin * working with the method of mixtures obtained a curve which shows a minimum value of c' at about 20° C., then a rapid rise to a maximum, at 87° C. The curves obtained by Dieterici † and Barnes ‡ are similar in character; each shows a decrease of c' to a well defined minimum, then a steady rise without any suggestion of a maximum. The experiments of Regnault and Dieterici above 100° C. show a steady rise of the specific heat with the temperature; hence, if Ludin's curve be accepted,

^{*} Inaug. Diss. Zurich, 1895.

[†] Annalen der Physik (4), Vol. 16, pp. 593-620 (1905).

[‡] Phil. Trans., Vol. 199-A, pp. 55-148, 149-263 (1902).

the specific heat after reaching its maximum at 87 degrees must diminish and then increase again. It is difficult to account for such a variation on any rational basis, and the curves of Barnes and Dieterici should be preferred to Ludin's curve. Davis * attached no weight whatever to Ludin's values and adopted a curve lying between those of Barnes and Dieterici, with Barnes' values given double weight. However, the question is again complicated by the experiments of W. R. and W. E. Bousfield † which reproduce Ludin's results, although the method employed (electric heating with a vacuum-jacket calorimeter) was entirely different from Ludin's method of mixtures. Finally Callendar ‡ has undertaken to throw light on the subject by a set of experiments in which a new and very accurate method was employed. Callendar's paper contains an exhaustive and valuable discussion of the whole subject.

The methods used by Barnes and Callendar, respectively, have the marked advantage of being continuous. In the Barnes experiments a steady current of water was heated through a small range of temperature by an electric current, and the result obtained was therefore the actual specific heat at a pre-determined temperature rather than the mean specific heat over a considerable range. Callendar used a continuous-mixture method in which two steady currents of water at different temperatures were passed through a system of concentric tubes which constituted a heat exchanger. The continuous-flow methods have obvious advantages over other methods. The water equivalent of the calorimeter is not required, and various corrections that involve uncertain measurements are eliminated.

The results of Callendar's experiments by the continuous-mixture method completely verify the earlier experiments of Barnes by the continuous-electric method. As these two independent methods are much superior to the other methods used and give identical results, there can be no question that these results should be accepted.

Taking the specific heat of water at 20° C. as unity, Callendar gives the following equation for the variation of the specific heat with temperature

$$c' = 0.98536 + \frac{0.504}{t + 20} + 0.0084 + \frac{t}{100} + 0.0090 \left(\frac{t}{100}\right)^{2}.$$

From the specific heat c' the heat content i' of the liquid is derived by the relation

$$i' = \int c' dt.$$

After changing from C. to F. temperatures and applying a factor to

^{*} Steam Tables and Diagrams, p. 89.

[†] Phil. Trans., Vol. 211-A, pp. 199-251 (1911).

[‡] Phil. Trans., Vol. 212-A, pp. 1-32 (1913).

reduce from the 20-degree calorie to the mean calorie, the equation for i' becomes

$$i' = 0.9838 t + 2.0856 \log (t+4) + 0.233 \left(\frac{t-32}{100}\right)^{2} + 0.09245 \left(\frac{t-32}{100}\right)^{2} - 34.73.$$

For temperatures above 212 degrees, two sets of experiments are available, Regnault's and Dieterici's, neither of which can be accepted as thoroughly reliable. Regnault's results have been recomputed by

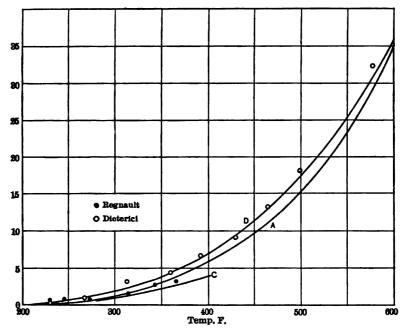


FIG. 6. HEAT CONTENT OF WATER, 212°-600° F.

various investigators. In Fig. 6, six mean values deduced from Callendar's computation are shown. The ordinates in this figure represent values of

$$\Delta i' = i' - (t - 32),$$

that is, the excess of the heat content over t-32, the temperature range. Abscissas are temperatures F. In the same figure are shown the points obtained by Dieterici. The curve D represents the equation adopted by Dieterici and curve C represents Callendar's equation extended beyond 212 degrees.

Callendar questions the accuracy of Dieterici's experiments and gives preference to his equation extrapolated through the range 100°-200° C. It is probable that Dieterici's points are considerably in error, as the method of the experiments involved large corrections, and it is also probable that Regnault's points are no more reliable. However, there

seems to be no valid reason for choosing a curve, like curve C, lying below both sets of points.

Latent Heat of Saturated Steam. — The Clapeyron relation

$$r = A (v'' - v') T \frac{dp}{dT}$$

gives a means of calculating the latent heat. It is convenient to write the equation in the form

$$r = A p (v^{\prime\prime} - v^\prime) \frac{T}{p} \frac{dp}{dT}$$

in which the second member is made up of two factors. From the characteristic equation, the first is expressed by

$$Ap(v''-v') = ABT - Ap(I + 3ap^{\frac{1}{2}})\frac{m}{T^n}$$

Upon differentiating equation (A) connecting the pressure and temperature of saturated steam, namely

$$\log p = A - \frac{B}{T} - C \log T - DT + ET^2 - \Delta,$$

the second factor is obtained in the form

$$\frac{T}{p}\frac{dp}{dT}=2.3026\left[\frac{B}{T}-DT+2ET^2-T\frac{d\Delta}{dt}\right]-C.$$

For the range 32-212 degrees, within which the heat of the liquid is given accurately by the experiments of Barnes and Callendar, a second independent method of calculating the latent heat is available. Saturation values of i are calculated from the formula for heat content and from these are subtracted the corresponding known values of the heat of the liquid. The difference gives, of course, the latent heat. The following table gives values of r obtained by the two methods.

LATENT HEAT, 32°-212° F.

Temp. ° P.	32	40	80	120	160	200	212
i" from Eq. (D) i" Barnes & Callendar r by subtraction p by Clapeyron relation	0	1076.79 8.05 1068.74 1068.12	1095.45 48.05 1047.40 1046.97	1113.49 87.94 1025.55 1025.27	1130.79 127.87 1002.92 1002.77	1147.09 167.94 979.15 979.12	1151.74 180.00 971.74 971.74

Above 212 degrees the heat of the liquid is so uncertain that the method of determining r by subtraction is hardly justified. Hence values of r are calculated from the Clapeyron relation, and subtracted from corresponding values of i''. The result is a set of values of i' that may be compared with the Regnault and Dieterici experimental values. The following table exhibits the details of the calculation.

Temp. ° F.	212	240	280	320	360	400	440	480	520	560	600
i" from Eq. (D) r from Clap. rel i' by subtraction	971.74	1	926.57	896.65	863.60	826.83	785.78	739.78	688.02	629.51	562.96

LATENT HEAT AND HEAT OF LIQUID, 212°-600° F.

Referring to the first of the preceding tables, the close agreement of the two sets of values of r may be noted. The greatest difference, which occurs at 32-40 degrees, is about 6 in 10,000. This agreement is a decisive test of the validity of the analysis. The two sets of numbers are obtained independently, one from the characteristic equation, the other from the heat-content equation, and the agreement between the two shows the satisfaction of the Clapeyron relation. Of the two sets the one obtained from the heat-content equation should be chosen, rather than the set derived by means of the Clapeyron relation. The reason for this lies in the slight uncertainty in the exact value of the derivative $\frac{dp}{dt}$ at low temperatures. It was shown in connection with Fig. 1 that the course of the Scheel and Heuse points indicates that the true value of this derivative at 32 degrees is probably slightly greater than the value obtained from the formula. The slightly lower values of r calculated from the Clapeyron relation in the range of 32-80 degrees may be ascribed, therefore, to a small error in the derivative.

For the range $212^{\circ}-600^{\circ}$ F. the important result is the set of values of i', heat of the liquid. In Fig. 6 curve A represents the new set of values for the range $212^{\circ}-600^{\circ}$ F. It lies between Dieterici's curve and Callendar's extrapolated curve and represents very well the Regnault experiments as interpreted by Callendar. Above 400 degrees the curve runs from 1 to 3 B.t.u. lower than the Dieterici points, a deviation of 0.2 to 0.6 per cent. Dieterici admits a possible error of 0.3 to 0.5 per cent in the experiments to determine the mean specific heat c_m and a further error in the reduction of c_m to the actual specific heat. It is likely that a possible error of at least 1 per cent may be attached to Dieterici's points; hence if the points are too high, as is indicated by Regnault's experiments and Callendar's extrapolated formula, the curve probably represents the true values fairly well.

The values of the latent heat r given in the preceding table may be compared with direct experiments within the range 32-212 degrees. For this purpose four sets of experiments are available, those of Dieterici,* Griffiths,† Smith,‡ and Henning.§ The following table gives the results of these experiments expressed in a common unit, the mean B.t.u.

^{*} Annalen der Physik, Vol. 37, pp. 494-508 (1889).

[†] Phil. Trans., Vol. 186-A, pp. 261-341 (1895).

[‡] Phys. Review, Vol. 25, pp. 145-170 (1907).

[§] Annalen der Physik (4), Vol. 21, pp. 849-878 (1906).

EXPERIMENTAL DETERMINATIONS OF LATENT HEAT

	Temp. * F.	Latent heat B.t.u.
Dieterici	32	1072.9
Griffiths	86	1045.1
	104.3	1034.1
Smith	57.1	1061.6
	70.1	1054.5
	82.5	1047.6
	103.б	1035.0
Henning	86.2	1043.2
•	120.5	1026.2
	148.7	1008.0
	171.2	995.4
	192.7	983.3
	213.1	969.8

In Fig. 7 these results are shown by the plotted points and the curve represents the variation of r according to equation (D). The agreement is satisfactory, though Smith's points would indicate that the calculated values may be slightly low.

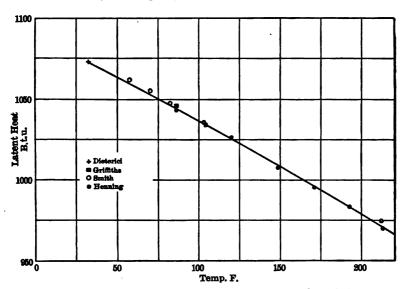


FIG. 7. LATENT HEAT OF SATURATED STEAM, 32°-212° F.

Special interest attaches to the value of r at 212° F. For years Regnault's number 966 B.t.u. was universally accepted. Callendar in his 1900 paper gave the value 972, which is almost precisely the value that is now considered most probable. Davis made use of the experiments of Henning and Joly at 212° and set the value of r at 970.4 B.t.u. Smith's recent experiments * on slow vaporization of water under atmospheric pressure indicate a value higher than any yet assumed. Heck uses the value 971.2, Mollier uses 971.4. The present investi-

^{*} Physical Review, Vol. 33, p. 183 (1911).

gation leads to the number 971.7, which is probably quite close to the truth, though if anything slightly low.

Entropy. — An expression for the entropy of superheated steam is readily obtained from the fundamental equation,

$$dq = c_p dT - AT \left(\frac{\partial v}{\partial T}\right)_p dp.$$

Dividing by T,

$$ds = \frac{dq}{T} = c_p \frac{dT}{T} - A \left(\frac{\partial v}{\partial T} \right)_p dp.$$

From the characteristic equation

$$\left(\frac{\partial v}{\partial T}\right)_{p} = \frac{B}{p} + \frac{mn}{T^{n+1}} \left(1 + 3ap^{\frac{1}{2}}\right).$$

Introducing this and the expression for c_p in the preceding equation, the result is

$$ds = \left[\frac{\alpha}{T} + \beta + \frac{\gamma}{T^3} + \frac{Amn(n+1)}{T^{n+2}} p(1+2ap^{\frac{1}{2}})\right] dT - \frac{AB}{p} dp - \frac{Amn}{T^{n+1}} (1+3ap^{\frac{1}{2}}) dp.$$

The integration of this exact differential equation gives the following equation for the entropy

$$s = \alpha \log_e T + \beta T - \frac{1}{2} \frac{\gamma}{T^2} - AB \log_e p - \frac{Amn}{T^{n+1}} p (1 + 2 a p^{\frac{1}{2}}) + s_0.$$
 (E)

The constant s_0 is found by applying the equation at the saturation limit. The value thus determined is $s_0 = -0.08108$.

For the range $32^{\circ}-212^{\circ}$ F., within which Callendar's formula for the heat of the liquid is surely applicable, there are available two independent methods of calculating the entropy of saturated steam. I. The entropy of the liquid s' is determined by the integration of Callendar's equation for i' and the entropy of vaporization $\frac{r}{T}$ is added. 2. Corresponding saturation values of p and T are substituted directly in the preceding formula for s. The two methods give substantially identical results.

Above 212° F. the entropy s'' of saturated steam is calculated from formula (E) and the entropy of the liquid s' is obtained by the relation

$$s' = s'' - \frac{r}{T}$$

Integration of Callendar's i'-equation gives the following formula for s':

$$s' = 2.3623 \log T + 0.0045775 \log (t+4) - 0.00022609 T + 0.0000013867 T^2 - 6.28787.$$

Intrinsic Energy. — From the defining equation

$$i = A (u + pv)$$

the energy u in thermal units is readily obtained by subtraction; thus $u = i - A \rho v$.

Combination of equations (B) and (D) gives therefore the following explicit expression

$$u = (\alpha - AB) T + \frac{1}{2}\beta T^2 - \frac{\gamma}{T} - \frac{Amnp}{T^n} \left(1 + \frac{2n-1}{n} ap^{\frac{1}{2}} \right) + i_0.$$
 (F)

Computation of the Steam Tables. — The tabulated properties of superheated steam — volume, entropy, and heat content — are calculated directly from formulas (B), (E), and (D), respectively. The same formulas with corresponding saturation values of p and t inserted give, respectively, the volume, entropy, and heat content of saturated steam. The pressures of saturated steam are calculated from formula (A). Within the range $32^{\circ}-212^{\circ}$ F. the heat content i' of the liquid is obtained from Callendar's formula, and the latent heat r is then found by subtraction, according to the relation r = i'' - i'. For temperatures above 212° F. the latent heat is calculated from the Clapeyron relation

$$r = \psi \frac{T}{p} \frac{dp}{dT},$$

in which

$$\psi = A \left[BT - p \left(\mathbf{I} + 3 a p^{\frac{1}{2}} \right) \frac{m}{T^n} \right] \cdot$$

Values of i' are then obtained by subtraction, since i' = i'' - r. The internal latent heat ρ is found from the relation

$$\rho = r - \psi$$

and the internal energy u'' from the relation

$$u^{\prime\prime}=i^{\prime\prime}-A\,\rho v^{\prime\prime}.$$

The entropy of the saturated steam s'' having been obtained from the general formula (E), the entropy of the liquid s' is found by subtracting

$$\frac{r}{T}$$
, thus
$$s' = s'' - \frac{r}{T}$$
.

In the process of computation the formulas were used to give values of the required magnitudes for temperatures (or pressures) so selected as to give a suitable constant interval, and the intervening values were obtained by interpolation.

Units and Constants. — In these tables the mean B.t.u. is taken as the thermal unit. This is defined as $\frac{1}{180}$ th of the heat required to raise the temperature of a pound of water from 32° to 212° F. The corresponding mean calorie is by Griffiths identified with the $17\frac{1}{2}$ -degree calorie and by Barnes with the 16-degree calorie.

The various determinations of the mechanical equivalent seem to justify the value established by Griffiths in 1893, namely,

I mean calorie = 4.184 joules I mean B.t.u. = 777.64 standard ft. lb.

This value has been used.

Various determinations of the absolute temperature of the ice-point have been made. These indicate a value of 273.1° C. or about 459.6° F. The investigation of Rose-Innes (1908) points to the value 459.64, but it does not appear that the degree of accuracy indicated by the fifth figure is at present justified. The value 459.6 has been taken, and the relation between absolute and ordinary temperatures is therefore given by

T = t + 459.6.

THERMAL PROPERTIES OF AMMONIA

Experimental Data. — Experiments on the properties of ammonia are by no means as complete or as concordant as the experiments on water vapor. Hence any formulation for ammonia must be regarded as merely tentative and subject to revision as further experimental evidence becomes available.

Experiments on the pressure-temperature relation for saturated ammonia vapor have been made by Regnault, Faraday, Blümcke, Brill, and Davies.*

Data on the specific volume of liquid ammonia are furnished by the experiments of Lange, D'Andréeff, and Dieterici, and on the specific volume of the saturated vapor by the experiments of Dieterici. The experiments of Perman, Guye, and Leduc furnish a few isolated values of the volume of the superheated vapor.

Measurements of the latent heat of vaporization have been made by Regnault, Franklin and Kraus, Von Strombeck, Estreicher and Schnerr, Denton and Jacobus. The values obtained are very discordant.

Fairly trustworthy values of the heat content of liquid ammonia throughout the range 50°-160° F. are given by the experiments of Dieterici and Drewes.

Finally, a few values of the specific heat of superheated ammonia are given by Keutel, Voller, Wiedemann, Regnault, and Nernst.

Pressure-Temperature Relation. — The law of Ramsay and Young affords the most satisfactory method of calculating corresponding temperatures and pressures of saturated ammonia vapor. This law is expressed by the equation

$$R = R' + k (T - T'),$$

in which R and R' denote the ratio of the saturation temperatures of two different substances at two different pressures, and T, T' denote the absolute temperatures of one of the vapors corresponding respectively to the pressures. Let water and ammonia be the two substances and let T_w and T_a denote respectively the absolute temperatures of saturated steam and ammonia at the *same* pressure; then the law is expressed by the simple equation

$$\frac{1}{T_c} = c \frac{1}{T_m} + k.$$

^{*} For an exhaustive bibliography of the investigations of ammonia, see Bulletin No. 66, University of Illinois Experiment Station, pp. 92-94.

Accurate values of T_{ω} are given in the steam tables; hence, if the constants c and k are known, values of T_{ω} are readily calculated. Using the graphical method suggested by Moss, Mosher plotted the available experimental values and established the following values of the constants

$$c = 1.70343$$
 $k = -0.0002242$.

Values of T_a thus obtained represent with satisfactory accuracy the most reliable of the experiments.

Specific Volume of Liquid Ammonia. — For the temperature range -60° to 160° F., Mosher, following Avenarius, assumed an equation of the form

$$v' = a - b \log (t_k - t),$$

to express the relation between the liquid volume and the temperature. In this equation t_k denotes the critical temperature of ammonia, which is taken as 273.2° F. With the constants a = 0.06335, b = 0.016, the equation represents satisfactorily the experiments of Dieterici, Lange, and D'Andréeff. Above 160° F. the liquid volumes were determined by the law of the "straight diameter."

Specific Volume of Saturated Ammonia Vapor. Latent Heat. — By a combination of the equation expressing Ramsay and Young's law with the Clapeyron equation, the following relation is obtained:

$$\frac{(v''-v')_w}{r_w} = \frac{(v''-v')_a}{r_a} \left[\mathbf{I} + \frac{k}{c} T_w \right].$$

The subscript w refers to water, the subscript a to ammonia. The ratio $\frac{k}{c}$ is -0.0001316. At any given pressure the term in the first member of this equation and the bracketed term in the second member may be found from the known properties of steam. Hence the quotient $\frac{v''-v'}{c}$ for ammonia may be calculated.

With reference to the numerator v'' - v', satisfactory values of v' are available and Dieterici's experiments give acceptable values of v'' within the range $30^{\circ}-222^{\circ}$ F. Hence tentative values of the latent heat r may be calculated and compared with the experimental values. Following this procedure, Mosher deduced the following formula:

$$\log r = 1.856064 + 0.37 \log (273.2 - t).$$

The curve r = f(t) representing this equation fits the discordant experimental points at least as well as any of the other proposed curves and the form of the equation is such as to justify extrapolation to very low temperatures.

With this equation for r available the process just described may be reversed, and values of v'' - v' may be calculated. Values of v'' up to 160° F. were thus obtained. For temperatures above 160° F., values of v'' were obtained from the law of the straight diameter.

Properties of Superheated Ammonia. — The characteristic equation for superheated ammonia was given the form

$$v+c=\frac{BT}{p}-\frac{m}{T^n}$$

and the following constants were chosen:

$$B = 0.6321$$
 (p in lb. per sq. in.)
 $\log m = 12.90000$
 $c = 0.10$
 $n = 5$

With these constants the equation represents satisfactorily the experimental volumes of the superheated vapor, and at saturation it gives values that agree closely with values of v'' obtained from the Clapeyron relation.

With the analytical methods that were used in the case of superheated steam the following equations are derived:

$$c_p = \alpha + \beta T + \frac{Amn(n+1)}{T^{n+1}}p,$$

$$i = \alpha T + \frac{1}{2}\beta T^2 - A(n+1)p\frac{m}{T^n} - Acp + i_0,$$

$$s = \alpha \log_e T + \beta T - AB \log_e p - Anp\frac{m}{T^{n+1}} + s_0.$$

The constants must be adjusted to meet two conditions. I. Values of c_r calculated from the first equation should agree with available experimental values. 2. Values of i' obtained from the equation for i (by subtraction of r from i'') should agree with the experimental values found by Dieterici and Drewes. The following values were finally chosen

$$\alpha = 0.382$$
 $i_0 = 358.0$
 $\beta = 0.000174$ $s_0 = -0.8266$

THE TABLES AND DIAGRAMS

Explanation of the Tables. — Tables 1 and 2 give the properties of saturated steam and Table 3 the properties of superheated steam. Tables 7, 8, and 9 give similarly the properties of saturated and superheated ammonia.

In Table 2 the temperature is taken as the argument and the tabular values were calculated directly from the general equations. The values in Table 1, in which the pressure is the argument, were obtained by interpolation from Table 2. Below atmospheric pressure, the pressures in Table 1 are given in inches of mercury, and from 0.2 to 5 inches the interval is taken as 0.1 inch. Hence the properties associated with the low pressures involved in modern condenser practice may be easily determined.

The upper limit of the range of temperature for which the general equations may be considered valid is apparently about 560° F. However, tentative values of the various properties between 560 degrees and the critical temperature are given in Table 2. These were obtained by certain empirical methods that are described in the original paper. (See Bulletin No. 75, Eng'g Exper. Station, U. of Ill., pp. 61–64.) While experimental evidence is lacking for temperatures above 400° F., it is believed that the values between 400 and 560 degrees are fairly accurate. Those for temperatures above 560 degrees are not so worthy of confidence.

In the case of superheated steam, the properties are functions of both pressure and temperature. Table 3 is so arranged that the properties for eight successive pressures appear on each page. The temperature rather than the degree of superheat is taken as the variable. Tendegree intervals are used up to about 200 degrees of superheat and 50-degree intervals beyond. Under each pressure is given in parentheses the corresponding saturation temperature so that the degree of superheat if desired may be readily obtained by subtraction.

Table 4 gives corresponding temperatures and pressures of saturated steam near atmospheric pressure. In other words, the table gives boiling points for various barometer indications.

Table 5 gives the important thermal properties of water. At the lower temperatures the values of density and volume were taken from the most reliable existing data. The specific heat throughout and the other properties at higher temperatures were recalculated.

Table 6 gives the more important data of mixtures of air and saturated vapor of water. It will be found useful in the solution of prob-

lems that involve hygrometric conditions. As is customary in present practice, tabular values are based on the weight rather than the volume of the dry air. The three columns of thermal magnitudes may require some explanation. The first of these gives the heat content of I pound of dry air above o° F. The values were obtained from Swann's expression for the specific heat of air, namely,

$$c_p = 0.24112 + 0.0000009 t.$$

The next column gives the heat required to vaporize the weight of water required to saturate the air at the given temperature. Below 32 degrees the heat of sublimation rather than the latent heat of vaporization is used. The third of the three columns gives the heat content of the mixture, and the values are obtained by adding the corresponding values in the other columns. Strictly speaking, the term "heat content" is improper in this connection, because the heat of the liquid is not included. The heat content of a non-saturated mixture with known relative humidity may be found with sufficient accuracy from the first two of these three columns. Multiply the tabular value in the second column by the relative humidity and add the product to the value in the first column. Thus with a temperature of 80° F. and relative humidity of 0.70, the heat content of 1 pound of air with the contained water vapor is

$$19.32 + 0.70 \times 23.31 = 35.64$$
 B.t.u.

Tables 7, 8, 9, and 10 for ammonia correspond to Tables 1, 2, 3, and 5 for water vapor, and require no special comment.

The Diagrams. — For the expeditious solution of many engineering problems in which extreme accuracy is not required the tables of properties may be replaced by certain graphical charts. It is perhaps true that the value of such graphical aids is generally overestimated, and that most problems can be worked from the tables with the expenditure of very little more time and effort and with much greater accuracy.

While any two of the variables p, v, t, u, s, i may be taken as the ordinate and abscissa, respectively, the Mollier chart, in which i and s are so used, has important advantages.

Two Mollier diagrams, one for steam and one for ammonia, accompany these tables. These differ in one essential respect. In the case of steam the properties of the medium near the liquid state are rarely needed, hence the chart includes only the properties near the saturation limit and in the region of superheat. In the case of ammonia, on the other hand, the liquid curve must be included on account of the phenomena connected with the free expansion of the fluid through the expansion valve. Therefore the ammonia diagram has two parts, one showing the properties in the region of superheat and near the saturation curve, the other the properties near the liquid curve.

Each diagram gives several families of curves. Lines parallel to the coördinate axes give, respectively, values of heat content and entropy as read on the scales along the margin. There is a family of constantpressure curves, in the superheat region a family of constant-temperature curves, and in the mixture region a family of constant-quality curves. Any point on the diagram represents a definite state of the fluid. If the point lies in the region of superheat the heat content, entropy, pressure, and temperature are read off directly; if it lies in the mixture region the quality is given but the temperature must be obtained from the pressure. Two important properties, the volume and energy, are not given by the diagram as constructed. While it is possible to construct constant-volume and constant-energy curves, the inclusion of so many families of curves on a single diagram would lead to confusion. Furthermore, at low pressures the volume changes so rapidly that it is impossible to read volumes with any degree of accuracy. The volume and energy may, however, be easily obtained from the other properties. Thus to find the volume: If the point lies in the region of superheat read the pressure and temperature from the diagram and simply look up the corresponding value of v in Table 3; if it lies in the mixture region read the pressure and quality from the diagram, look up the value of the saturation volume v'' for the pressure, and multiply this by the quality. Having the specific volume, the energy is readily obtained from the relation

$$u = i - 144 A pv$$

= $i - 0.1852 pv$. (log 0.1852 = $\vec{1}$.26758.)

If the pressure is given in inches of mercury the formula becomes

$$u = i - 0.091 pv$$
.

Illustrative Examples. — The following examples illustrate some of the more important uses of the diagrams and tables.

Example 1.* Find the properties of steam at a pressure of 120 lb. per sq. in. and a temperature of 412° F.

From the steam diagram the point that represents the state of the steam is found at the intersection of the curves p = 120 and t = 412. From the scales are read the values i = 1231 B.t.u., s = 1.637. From Table 3 the volume of 1 lb. is found to be 4.16 cu. ft. Therefore

$$u = i - 0.1852 pv = 1232 - 0.1852 \times 120 \times 4.16 = 1138.5 \text{ B.t.u.}$$

Example 2. Steam in the initial state p = 120 lb., $t = 412^{\circ}$ F. expands adiabatically. At what pressure does it become dry and saturated?

* In this example, the use of the diagram is superfluous, for the values of i and s are obtained as easily and with greater accuracy from Table 3. When the problem involves a change of state or a comparison between two states, as in Examples 2 and 3, the advantage of the diagram becomes more apparent.

In adiabatic expansion the entropy remains constant; hence the second state is given by the intersection of the line s = 1.637 with the saturation curve. The pressure indicated by this point is 68 lb. per sq. in.

Example 3. Steam in the same initial state as in Examples 1 and 2 expands adiabatically to a pressure of 2.5 in. of mercury. Find the volume, heat content, energy, and quality in the final state.

The entropy in the initial state is 1.637; hence find the intersection of the line s = 1.637 with the curve p = 2.5 in. of Hg. This point gives the values x = 0.822, i = 925 B.t.u. From Table 1, v'' for 2.5 in. of Hg is 247.7 cu. ft., hence the volume of the mixture with quality of 0.822 is 247.7 \times 0.822 = 203.6 cu. ft. The energy is $925 - 0.091 \times 2.5 \times 203.6 = 878.7$ B.t.u.

Example 4. With the data of Example 3, find the work done by 1 pound of steam in expanding.

When steam expands adiabatically the work done is equal to the decrease of energy. $u_1 = 1138.5$ (Ex. 1) and $u_2 = 878.7$; hence the work is

$$w_{12} = 1138.5 - 878.7 = 259.8 \text{ B.t.u.} = 202,030 \text{ ft. lb.}$$

Example 5. Steam having an initial pressure of 180 lb. per sq. in. and a temperature of 550° F. is assumed to pass through an ideal Rankine cycle. Find the heat changed into work (a) when the steam is exhausted at a pressure of 16 lb.; (b) when it is exhausted at a pressure of 3 in. of Hg.

In the Rankine cycle the heat changed into work is given by the decrease of the heat content during adiabatic expansion. From the diagram, $i_1 = 1297.4$ B.t.u. Following the line of constant entropy to p = 16 lb., i_2 is found to be 1094 B.t.u., and continuing to p = 3 in. of Hg, $i_2 = 950$ B.t.u. Hence the heat turned into work is for the first case 1297.4 - 1094 = 203.4 B.t.u., and for the second case 1297.4 - 950 = 347.4 B.t.u.

Example 6. Steam at a pressure of 200 lb. per sq. in. and quality 0.97 is throttled in passing through a reducing valve. At what pressure will the steam be dry and saturated after passing through the valve?

In a throttling process the heat content i remains constant. Hence a line i = const. through the initial point intersects the saturation curve in a point that gives the required final state. The pressure is found to be 44 lb. per sq. in.

Example 7. In a throttling calorimeter the observed pressure is 17 lb. and the temperature 255° F. If the initial pressure of the steam was 160 lb., what was the initial quality?

A line of constant i through the point p = 17 lb., $t = 255^{\circ}$ cuts the line p = 160 lb. in a point at which the quality is 0.973.

Example 8. Steam at a pressure of 200 lb. per sq. in. and a temperature of 450° F. expands in a nozzle to a pressure of 60 lb. per sq. in. Find the velocity attained by the jet (a) when the flow is assumed to be frictionless; (b) when, due to friction, there is a loss of 12 per cent in the energy of the jet.

If the expansion in a nozzle is adiabatic and frictionless the fundamental equation of flow is $\frac{w^2}{2g} = J(i_1 - i_2)$, or $w = 223.7 \sqrt{i_1 - i_2}$. The effect of friction is to decrease the jet energy, and if this decrease is y per cent of the frictionless jet energy, the velocity in this case is given by $w = 223.7 \sqrt{(i_1 - i_2)(1 - y)}$. From the diagram the initial heat content is 1240, and the final heat content

after adiabatic expansion to 60 lb. is found to be 1139 B.t.u. Hence, if the flow is frictionless,

$$w = 223.7 \sqrt{1240 - 1139} = 2250 \text{ ft. per sec., approx.}$$

With 12 per cent loss of energy, the velocity is

$$w = 223.7 \sqrt{(1240 - 1139) \times 0.88} = 2110 \text{ ft. per sec.}$$

Example 9. In case (b) of Example 8, find the quality and specific volume of the steam in the final state, that is, after expansion to 60 lb.

In the frictionless case the change in i is 1240 - 1139 = 101 B.t.u. With friction this is decreased 12 per cent, leaving $101 \times 0.88 = 88.9$ B.t.u. Hence in the second state i = 1240 - 88.9 = 1151.1 B.t.u., and the pressure is 60 lb. From the diagram the corresponding quality is 0.97, nearly. For 60 lb., v'' = 7.18 cu. ft., hence the volume per pound is $7.18 \times 0.97 = 6.96$ cu. ft.

Example 10. Determine the area of the end section of the nozzle for a discharge of 75 lb. of steam per minute, using the results obtained in Examples 8 and 9.

In the equation of continuity, Fw = Mv, M is given as $\frac{75}{60}$ lb. per sec., w = 2110, v = 6.96. Hence the area F is

$$\frac{75}{60} \times \frac{6.96}{2110} = 0.00413$$
 sq. ft. = 0.595 sq. in.

Example 11. In an ammonia refrigerating machine the ammonia enters the compressor dry and saturated at a pressure of 40 lb. per sq. in. and is compressed adiabatically to 190 lb. per sq. in. It is then cooled and condensed and in passing through the expansion valve attains the initial pressure 40 lb. in the brine coils. Required the heat absorbed from the brine, the heat rejected in the condenser, and the heat equivalent of the work per pound of ammonia.

The solution of this problem requires the values of the heat content i at four points of the cycle. At the beginning of compression the ammonia is dry and saturated at 40 lb. pressure; from Table 7, or from the ammonia diagram, $i_1 = 541.8$ B.t.u. and the entropy is s = 1.149. In the adiabatic compression the ammonia is superheated and at the end of compression it has the same entropy 1.149 and a pressure of 190 lb. From the diagram, or from Table 9, the heat content for this state is $i_2 = 639$ B.t.u. The ammonia leaving the condenser is liquid at 190 lb. pressure, and the corresponding heat content is i_0 = 68.6 B.t.u. The passage through the expansion valve is a throttling process in which i remains constant; hence the heat content of the ammonia as it enters the brine coils is $i_4 = 68.6$ B.t.u. In any constant-pressure process the heat entering or leaving the medium is given by the change in heat content; therefore during the passage through the brine the ammonia absorbs 541.8 - 68.6 = 473.2 B.t.u., and in the condenser it rejects to the cooling water 639 - 68.6 = 570.4 B.t.u. per pound of ammonia circulated. The work done by the compressor per pound of medium is the difference between these, or 570.4 - 473.2 = 97.2B.t.u.

Example 12. With the data of Example 11 find the refrigerating effect per horsepower-hour.

The ratio $\frac{473.2}{97.2}$ gives the number of B.t.u. absorbed from the brine per B.t.u.

of work done by the compressor. Since I horsepower-hour is equal to 2546 B.t.u. the heat removed per horsepower-hour is

$$2546 \times \frac{473.2}{97.2} = 12,600 \text{ B.t.u.}$$

The following problems illustrate the use of Table 6, Mixtures of Air and Water Vapor.

Example 13. Humidifying Air. Air is to be maintained at 70° F. with a relative humidity of 0.40, when the outside air is at 0° F. with a relative humidity of 0.70. Find the weight of water vapor per pound of dry air to be added by air washer, the temperature of the saturated air leaving the washer, and the heat required to bring the air to this condition.

Referring to Table 6, I pound of air at 70° F., if saturated, contains 0.01578 lb. of water vapor; hence with 40 per cent humidity it contains 0.40 \times 0.01578 = 0.006312 lb. I pound of air at 0° F. contains 0.000781 lb. of vapor when saturated and 0.70 \times 0.000781 = 0.000547 lb. when the humidity is 0.70. The water vapor to be added per pound of dry air is therefore 0.006312 - 0.000547 = 0.005765 lb. By inspection it is found that air at 45° F. completely saturated contains the same weight of vapor, namely 0.00631 lb., as air at 70° F. with 40 per cent humidity; hence the air should leave the washer at 45° F. The heat content of air at 0° F. and 70 per cent humidity is 0 + 0.70 \times 0.964 = 0.675 B.t.u., and the heat content of I lb. of air at 45° F. with the vapor required to saturate it is 17.59 B.t.u. The heat required for the process per pound of dry air is therefore approximately 17.59 - 0.675 = 16.92 B.t.u.

Example 14. Cooling. Air enters a washer at 84° F. with a relative humidity of 0.50 and is to be cooled to 54° F. Find the dew-point, weight of vapor condensed and heat removed per pound of dry air.

At 84° F. I pound of air contains 0.02547 lb. of water vapor when saturated and therefore $0.50 \times 0.02547 = 0.01274$ lb. with 50 per cent humidity. At 64° F. saturated air contains the same weight of water vapor; hence the dew-point is 64° F. At 54° F. I pound of air, if saturated, contains 0.00887 lb. of vapor. Hence in cooling from 64° to 54° the weight of vapor removed is 0.01274 – 0.00887 = 0.00387 lb. The heat content of the air in the initial state (84° F., 50 per cent humidity) is $20.29 \times 0.50 \times 26.62 = 33.60$ B.t.u., and the heat content of I lb. of dry air at 54°, with vapor required to saturate it, is 22.45 B.t.u. The difference is 33.60 - 22.45 = 11.15 B.t.u. A slight correction may be made for the heat removed in cooling the water, due to condensation between 64° and 54° F. At 64° condensation begins, at 54° 0.00387 lb. has been condensed; hence the heat that must be removed from the water is approximately $\frac{1}{2} \times 0.00387 \times 10 = 0.019$ B.t.u. Adding this to 11.15 B.t.u., the heat removed per pound of dry air during the process is 11.17 B.t.u.

TABLE 1
PROPERTIES OF SATURATED STEAM
PRESSURES

Pres	sure	Temp.,	Vol- ume,	Weight, lb. per	Heat c in B	ontent .t.u.		t heat .t.u.	Energy	F	Entropy ·	
in. of mer- cury	Lb. per sq. in.	• F.	cu. ft. per lb.	cu. ft.	of liquid	of vapor	of vapor- ization	Internal		of liquid	of vapor- ization	of vap
p	_	t	▼*	1/7"	i′	i"	r	P	u"	8'	r/T	8"
 0.2	0.0982	34-55	2992	0.000334	2.56	1074.2	1071.7	1016.3	1018.8	0.0052	2.1687	2.173
0.8	.1474	44.97	2036	.000491	13.04	1079.2			1023.6	.0262	2.1130	2.139
0.4	.1965	52.67		.000645				1005.7	1026.4	.0413	2.0732	
0.5 0.6	.2456	58.83 63.98		.000797		1085.7		1001. <u>7</u> 998.4	1028.6	.0533	2.0423 2.0169	
).7	0.3438	68.43	913	0.001096	36.50	1090.1	1053.6	995.5	1032.0	0.0717	1.9956	2.06
).8	.3929	72.35	805	.001243			1051.5	993.0	1033.4	.0790	1.9768	
).9	.4421	75.87	720	.001389		1093.5		990.7	1034.6	.0856	1.9602	
1.0	.4912	79.06	652	.001534	47.11	1095.0	1047.9	988.7	1035.8	.0915	1.9455	2.03
l.1	-5403	81.98	596	.001679	50.03	1096.4	1046.4	986.8	1036.8	.0969	1.9320	2.02
l.2 l.3	0.589 .639	84.68 87.19	549 508.7	0.001823		1097.6		985.0	1037.7	0.1019	1.9198	
.4	.688	89.54	474.3	.001900		1099.8		983.4 981.9	1038.6	.1108	1.9085	
.5	.737	91.75	444.5	.002250		1100.8		980.4	1040.2	.1148	1.8882	
.6	·.786	93.83	418.2	.002391	1 25 1.	1101.8		979.1	1040.9	.1185		
.7	0.835	95.80	395.0	0.002532		1102.7	1038.9	977.8	1041.6	0.1221	1.8705	
.8	.884	97.67	374.3	.002672	1 _0 1	1103.5	1037.9	976.6	1042.3	.1254	1.8624	
.9 .0	.933 .982	99.46	355·7 338.9	.002811	67.46 69.16	1104.3	1036.9	975·4 974·3	1042.9	.1286	1.8547 1.8474	
.036	1	101.76	333-3	0.00300	69.76	1105.4	1035.6	973-9	1043.7	0.1327	1.8448	1.97
1.1	1.031	102.80	323.7	0.00309	70.79	1105.9		973.2	1044.0	0.1345	1.8404	
.2	1.081	104.37	309.8	.00323	72.36		1034.2		1044.6	.1373	1.8338	
.3	1.130	105.88	297.1	.00337	73.86	1107.2		971.2	1045.1	.1400	1.8274	
.4 .5	1.179	107.33	285.5 274.7	.00350 .00364	75.30 76.70	1107.9		970.3 969.4	1045.6	.1425 .1450	1.8213	1.96
.6	1.477	80.01	264.7	0.00378	78.05	1100.1	1031.1	968.5	1046.5	0.1474	1.8099	1.95
.7	1.326	111.39	255.5	.00391	79.36	1109.7	1030.4	967.6	1047.0	.1497	1.8045	
.8	1.375	112.66	246.9	.00405	80.62	1110.3		966.8	1047.4	.1519	1.7992	
.9 .0	I.424 I.474	113.89	238.9 231.4	.00419	81.85 83.04	1110.8		966.0 965.2	1047.8	.1540	1.7942	1.94 1.94
.1		116.24			,	, i						_
2	1.523	117.37	224.4	0.00446	84.19 85.32	1111.9		964.4 963.7	1049.0	0.1581		
.3	1.621	118.47	211.6	.00473	86.41	1112.4	1026.4	962.9	1049.4	.1620	1.7756	1.93
.4	1.670	119.54	205.7	.00486	87.48	1113.3	1025.8	962.2	1049.7	.1638	1.7713	1.93
.5	1.719	120.58	200.2	.00500	88.52	1113.8	1025.3	961.5	1050.1	.1656	1.7671	1.93
.6	1.768	121.60	1	0.00513	89.53	1114.2		960.9	1050.4		1.7631	
.7 .8	1.817	122.59	190.0	.00526	90.52	1114.7		960.3	1050.7	.1690	1.7591	1.92
.0	1.866 1.916	123.57	185.3	.00540	91.49 92.44	1115.1		959.6 958.9	1051.0	.1707	1.7553	1.92
.0	1.965	125.44		.00566		1115.9	1022.5	958.3		.1739	1.7478	1.92
072	2	126.10	173.6	0.00576	94.02	1116.2	1022.2	957.9	1051.9	0.1750	1.7452	1.920
1	2.014	126.35		0.00580		1116.3				0.1755		
.2	2.063	127.25	168.7	.00593		1116.7		957.1		.1770	1.7407	1.91
.3	2.112	128.12	165.0	.00606		1117.1			1052.6		1.7373	
.4	2.161	128.97	161.5	.00619	90.09	1117.5	1020.0	956.0	1052.9	·1799	1.7340	1.91

Pre	ssure	Temp	Vol- ume,	Weight,		ontent .t.u.		t heat	Energy		Entropy	,. ,.
In. of mer- cury	Lb. per sq. in.	Temp.,	cu. ft. per lb.	lb. per cu. ft.	of liquid	of vapor	of vapor- ization	Internal	B.t.u.	of liquid	of vapor- ization	of vapor
P	-	t	₹"	1/7"	i'	i'	r	P	u'	s'	r/T	8"
4.5 4.6 4.7 4.8 4.9	2.260 2.309 2.358	129.81 130.64 131.44 132.24 133.02	154.8 151.7 148.8		97·73 98·55 99·35 100·14 100·92	1117,8 1118.2 1118.6 1118.9 1119.2	1019.7	955-4 954-9 954-4 953-8 953-3	1053.1 1053.4 1053.7 1054.0 1054.2	0.1813 .1827 .1841 .1854 .1867	1.7307 1.7275 1.7244 1.7214 1.7184	1.9121 1.9103 1.9085 1.9068
5 6		133.78 140.80		o.oo698 .oo829	108.69	1119.6 1122.6	1017.9	952.8 948.1	1054.5 1056.8	0.1880 .1998	1.7154 1.6888	1.9034 1.8886
6.108	3	141.49	118.7	0.00843	109.38	1122.9	1013.5	947.6	1057.0	0.2009	1.6862	1.8871
7 8		146.88 152.26	110.4 92.1	0.00958	f14.8 120.2	1125.2 1127.5	1010.5	944.0 940.4	1058.8 1060.5	0.2098	1.6661 1.6464	1.8760
8.144	4	152.99	90.6	0.01104	120.9	1127.9	1007.0	939.9	1060.7	0.2199	1.6438	1.8637
9 10	4.421 4.912		82.5 74.8	.01338	125.0 129.4	1129.6 1131.4	1004.6	937.1 934.1	1062.1 1063.5	0.2265	1.6290 1.6134	1.8556 1.8470
10.180	. 2	162.25	73-5	0.01360	130.1	1131.7	1001.6	933.6	1063.7	0.2348	1.6107	1.8456
11 12	5.403 5.894	165.55 169.30	68.4 63.0	0.01463 .01587	133.4 137.2	1133.1 1134.7	999·7 997·5	931.3 928.8	1064.8 1065.9	0.2401 .2461	1.5992 1.5862	1.8393 1.8323
12.216	6	170.07	62.0	0.01614	137.9	1135.0	997.1	928.2	1066.2	0.2473	1.5835	1.8308
13 14	6.39 6.88	172.79 176.06	58.5 54.6	0.01710 .01833	140.7 143.9	1136.1 1137.5	995.5 993.6	926.4 924.1	1067.0 1068.0	0.2516 .2568	1.5742 1.5630	1.8258 1.8198
14.25	7	176.85	53.7	0.01864	144.7	1137.8	993.1	923.6	1068.3	0.2581	1.5603	1.8184
15 16	7.37 7.86	179.14 182.06	51.14 48.14	0.01955 .02077	147.0 149.9	1138.8 1140.0	991.7 990.0	922.0 920.0	1069.0 1069.9	0.2617 .2662	1.5526 1.5429	1.8143 1.8091
16.29	8	182.87	47-35	0.02112	150.8	1140.3	989.5	919.4	1070.2	0.2675	1.5402	1.8077
17 18	8.35 8.84	184.83 187.46	45·49 43.12	0.02198	152.7 155.4	1141.1 1142.1	988.3 986.7	918.1 916.2	1070.8	0.2705 .2746	1.5337 1.5250	1.8042 1.7996
18.32	9	188.28	42.41	0.02358	156.2	1142.5	986.3	915.6	1071.8	0.2759	1.5223	1.7982
19 20	9.33 9.82	189.97 192.38	40.99 39.08	.02559	157.9 160.3	1143.1 1144.1	985.2 983.8	914.4 912.7	1072.3	.2822	1.5168	1.7953 1.7912
20.36	10	193.21	38.43	0.02602	161.1	1144.4	983.3	912.2	1073.3	0.2835		1.7897
21 22	10.31	194.68 196.89	37·34 35·75	0.02678	162.6 164.8	1145.0	982.4 981.1	909.6	1073.8	0.2858 .2892	1.4944	1.7873 1.7835
22.40 23	11	197.75	35.16	0.02844	165.7	1146.2	980.5	909.0	1074.6	0.2905		1.7821
24	11.30	199.03 201.09	32.95	0 00	169.0	1145.7	979.8 978.5		1075.1	·2955	1.4810	1.7800
24.43	12	201.96			169.9	1147.9	978.0	-		0.2969		1.7752
25 26	12.28	203.08 205.00	31.71	.03153	170.1 173.0	1148.3	977.3 976.1	903.8	1076.8		1.4687	I.7733 I.7702
26.47	13	205.88		0.03326	_	1149.4	975.6			0.3028		1.7687
27 28	13.26 13.75	206.87 208.67	28.53		174.8 176.6	1149.8	974·9 973.8	902.5 901.2	1077.3	0.3043	1.4629 1.4572	1.7671 1.7642
28.50	14	209.56		0.03564	177.5	1150,8	973-3	-		0.3083		1.7628
29	14.24	210.43		-	178.4	1151.2	972.7	Ĭ,		0.3096		1.7614
-29.92	14.697	212		0.03730	180.0	1151.7	971.7	- 1	_ `_ I	0.3120		1.7589
30	14.74	212.13	20.75	0.03739	180.1	1151.8	971.7	898.8	1078.9	0.3122	1.4465	1.7587

Pres-	Temp.,	Volume,	Weight,		ntent in t.u.	Latent B.	heat in	Energy	'	Entropy	
lb. per sq. in.	F.	cu. ft. per lb.	lb. per cu. ft.	of liquid	of vapor	of vapor- ization	Internal	in B.t.u.	of liquid	of vapor- ization	of vapor
p	t	₩"	I/V"	91'	i"	After	9	u'	8′_	r/T	8*
15	213.0	26.30	0.03802	181.0	1152.2	971.2	898.1	1079.1	0.3135	1.4438	1.7573
16	216.3	24.76	.04038	184.3	1153.4	969.1	895.8	1080.0	.3184	1.4337	1.7521
17 18	219.4	23.40 22.18	.04274 .04508	187.5	1154.6	967.1 965.2	893.5 891.4	1080.9	.3230	1.4242	1.7473
19	225.2	21.09	.04742	193.3	1155.7	963.4	889.3	1082.5	.3274	1.4068	1.7427
20	228.0	20.10	0.0498	196.0	1157.7	961.7	887.3	1083.3	0.3356	1.3987	1.7343
21	230.6	19.20	.0521	198.7	1158.7	960.0	885.4	1084.0	-3394	1.3910	1.7304
22	233.1	18.38	.0544	201.2	1159.6	958.4	883.6	1084.7	.3430	1.3837	1.7267
23	235.5	17.64	.0567	203.6	1160.4	956.8	88x.8	1085.3	.3465	1.3766	1.7231
24	237.8	16.95	.0590	206.0	1161.3	955.3	880.1	1085.9	-3499	1.3698	1.7197
25	240.1	16.32	0.0613	208.2	1162.1	953.8	878.4	1086.5	0.3531	1.3633	1.7164
· 26	242.2	15.73	.0636	210.4	1162.8	952.4	876.8	1087.1	.3563	1.3570	1.7133
27	244.3	15.18	.0659	212.6	1163.6	951.0	875.2	1087.7	-3593	1.3510	1.7103
. 28	246.4	14.67	.0681 .0704	214.6	1164.3	949.7	873.7 872.2	1088.2	.3622	1.3452	1.7074
29	240.4	14.20	.0704	210.0	1105.0	940.4	6/2.2		.3051	1.3395	1./040
30	250.3	13.76	0.0727	218.6	1165.7	947.1	870.7	1089.2	0.3679	1.3340	1.7019
31	252.2	13.34	.0749	220.5	1166.3	945.8	869.3	1089.7	-3705	1.3287	1.6992
32	254.0	12.95	.0772	222.4	1166.9	944.6	867.9	1090.2	·3731	1.3236	1.6967
33	255.8	12.59	.0795	224.2	1167.5	943;4	866.5 865.2	1090.6	·3757 ·3781	1.3186	1.6942
34	257.6	12.24	.0010	225.9	1100.1	942.2	305.2	1091.0	.3/61	1.3.37	
35	259.3	11.91	0.0840	227.7	1168.7	941.0	863.9	1091.5	0.3805	1.3090	
36	260.9	11.60	.0862	229.4	1169.2	939.9	862.7	1091.9	.3829	1.3044	1.6873
37	262.6	11.31	.0884	231.0	1169.8	938.8	861.4	1092.3	.3852	1.2999	1.6851
38 39	264.2 265.7	10.76	.0907	232.6	1170.3	937.7	860.2 859.0	1092.7	.3874 .3896	1.2956	1.6830
	. .	20.70	10929	-3-7	1170.0	930.0			1.3090		1 -
40	267.2	10.51	0.0951	235.8	1171.3	935.5	857.8	1093.4	0.3917	1.2871	1.6788
41	268.7	10.27	.0974	237.3	1171.8	934-5	856.7	1093.8	.3938 .3958	1.2831	1.6768
42 43	270.2 271.6	9.82	.1018	238.8	1172.2	933.5	855.5 854.4	1094.2	.3938	1.2752	1.6730
44	273.0	9.61	.1040	241.7	1173.2	931.5	853.3	1094.8	.3998	1.2714	1.6712
45	274.4	9.41	0.1062	243.1	1173.6	930.5	852.2	1095.2	0.4017	1.2677	1.6694
46	275.8	9.22	.1085	244.5	1174.0	929.6	851.2	1095.5	.4036	1.2640	1.6676
47	277.1	9.04	.1107	245.8	1174.4	928.6	850.1	1095.8	.4054	1.2605	1.6659
48	278.4	8.86	.1129	247.2	1174.8	927.7	849.1	1096.1	.4072	1.2570	1.6642
49 .	279.7	8.69	.1151	248.5	1175.2	926.8	848.1	1096.4	.4090	1.2535	1.6625
50	281.0	8.53	0.1173	249.8	1175.6	925.9	847.1	1096.7	0.4108	1.2501	1.6609
51	282.3	8.37	.1195	251.0	1176.0	925.0	846.1	1097.0	.4125	1.2468	1.6593
52	283.5	8.22	.1217	252.3	1176.4	924.1	845.1	1097.2	.4142	1.2436	1.6577
53 54	284.7 285.9	8.07 7.93	.1239 .1261	253·5 254·7	1176.7	923.2	844.2 843.2	1097.5	.4158	1.2404	1.6547
55						1					1.6532
56	287.I 288.2	7.80 7.67	0.1283	255.9 257.1	1177.5	921.5	842.3 841.4	1098.0	.4206	1.2342	1.6517
57	289.4	7.54	.1304	257.1	1177.8	919.8	840.4	1098.6	.4222	1.2311	1.6503
58	290.5	7.42	.1348	259.5	1178.5	919.0	839.5	1098.8	.4237	1.2252	1.6489
59	291.6	7.30	.1370	260.6	1178.8	918.2	838.6	1099.0	.4252	1.2223	1.6475
60	292.7	7.18	0.1392	261.7	1179.1	917.4	837.8	1099.3	0.4267	1.2195	1.6462
61	293.8	7.07	.1414	262.8	1179.4	916.6	836.9	1099.5	.4282	1.2167	1.6448
62	294.9	6.97	.1435	263.9	1179.7	915.8	836.0	1099.7	.4296	1.2139	1.6435
63 64	295.9	6.86	.1457	265.0 266.1	1180.0	915.0	835.2	1100.0	.4310	1.2112	1.6422
64	296.9	6.76	.1479	200.1	1180.3	914.3	834.3	1100.2	-4324	1.2005	1.0409
65	298.0	6.66	0.1501	267.1	1180.6	913.5	833.5	1100.4	0.4338		1.6397
66 6*	299.0	6.57	.1522	268.2	1180.9	912.7	832.7	1100.6	.4352		1.6384 1.6372
67 68	300.0	6.48 6.39	.1544 .1566	269.2	1181.2	912.0	831.9	1100.8	.4366 -4379	1.1981	1.6360
69	301.0	6.30	.1587	270.2	1181.7	910.5	830.3	1101.2	.4392	1.1956	1.6348
~3	3-2.0	5.30	307	-,	/	3-5.3	-32.3			1 333	1

Pres-	Temp.,	Volume,	Weight,		ontent in	Latent	heat in	Energy		Entropy	33
lb. per sq. in.	F.	cu. ft. per lb.	lb per cu. ft.	of liquid	of vapor	of vapor- ization	Internal	in B.t.u.	of liquid	of vapor- ization	of vapor
, ·	t	▼"	1/7"	i'	i*	r	P	u"	8'	r/T	8"
70	302.9	6.22	0.1609	272.2	1182.0	909.8	829.5 828.7	1101.4	0.4405	1.1931	1.6336
71 72	303.9	6.13 6.05	.1630 .1652	273.2 274.2	1182.5	909.1	827.9	1101.8	.4418	1.1907	1.6324
72 73	305.8	5.97	.1674	275.1	1182.8	907.6	827.1	1102.0	.4431 .4443	1.1859	1.6302
74	306.7	5.90	.1695	276.1	1183.0	906.9	826.4	1102.2	.4456	1.1835	1.6291
75 76	307.6 308.5	5.82	0.1717	277.0	1183.3	906.2	825.6 824.9	1102.4	0.4468	1.1812	1.6280
77	309.4	5.75 5.68	.1760	278.9	1183.8	905.5	824.1	1102.7	.4492	1.1767	1.6259
78	310.3	5.61	.1781	279.8	1184.0	904.2	823.4	1102.9	.4504	1.1744	1.6248
79	311.2	5-55	.1803	280.7	1184.2	903.5	822.6	1103.1	-4515	1.1722	1.6238
80	312.0	5.48	0.1824	281.6	1184.4	902.8	821.9	1103.2	0.4527	1.1700	1.6227
81 82	312.9	5.42	.1846 .1868	282.5	1184.7	902.2	821.2 820.5	1103.4	.4538	1.1679	1.6217
83	313.7 314.6	5.35 5.29	.1889	283.4 284.2	1185.1	901.5	819.8	1103.6	.4550 .4561	1.1636	1.6197
84	315.4	5-23	.1910	285.1	1185.3	900.2	819.1	1103.9	.4572	1.1615	1.6187
85	316.3	5.18	0.1932	286.o	1185.5	899.6	818.4	1104.1	0.4583	1.1595	1.6178
86	317.1	5.12	.1953	286.8	1185.7	898.9	817.7	1104.2	-4594	1.1574	1.6168
87 88	317.9	5.06	.1975	287.6	1185.9	898.3	817.0 816.3	1104.4	.4604	1.1554	1.6158
89	318.7 319.5	5.01 4.96	.1996 .2017	289.3	1186.3	897.7 897.1	815.7	1104.5	.4615 .4626	1.1534	1.6140
90	320.3	4.905	0.2039	290.1	1186.5	896.4	815.0	1104.8	0.4636	1.1495	1.6131
91	321.0	4.854	.2060	290.9	1186.7	895.8	814.3	1104.9	.4647	1.1475	1.6122
92	321.8	4.805	.2081	291.7	1186.9	895.2	813.7	1105.1	.4657	1.1456	1.6113
93 94	322.6 323.3	4.756 4.709	.2102 .2124	292.5 293.3	1187.1	894.6 894.0	813.0 812.4	1105.2	.4667 .4677	1.1437	1.6105
95	324.1	4.663	0.2145	294.1	1187.5	893.4	811.7	1105.5	0.4687	1.1400	1.6087
96	324.8	4.617	.2166	294.8	1187.7	892.8	811.1	1105.6	.4697	1.1381	1.6079
97	325.6	4.572	.2187	295.6	1187.8	892.2	810.5	1105.8	.4707	1.1363	1.6070
98 99	326.3 327.1	4.528 4.484	.2209 .2230	295.4 297.2	1188.0	891.6 891.0	809.8 809.2	1105.9	.4717 .4726	1.1345	1.6062
100	327.8	4.442	0.2251	297.9	1188.4	890.5	808.6	1106.2	0.4736	1.1309	1.6045
101	328.5	4.400	.2273	298.7	1188.5	889.9	808.0	1106.3	·4745	1.1291	1.6037
102 103	329.2	4.359	.2294	299.4	1188.7	889.3 888.7	807.4 806.7	1106.4 1106.5	·4755 ·4764	1.1274	1.6028
104	330.0 330.7	4.318 4.279	.2316	300.1 300.9	1189.0	888.2	806.1	1106.6	.4773	1.1239	1.6012
105	331.4	4.240	0.2358	301.6	1189.2	887.6	805.5	1106.8	0.4782	1.1222	1.6004
106	332.0	4.202	.2380	302.3	1189.4	887.1	804.9	1106.9	.4791	1.1205	1.5996
107 108	332.7	4.165	.2401	303.0	1189.5	886.5 885.9	804.3 803.8	1107.0	.4800 .4809	1.1189	1.5989
109	333.4 334.1	4.128 4.092	.2422 .2444	303;7 304.4	1189.8	885.4	803.2	1107.2	.4818	1.1155	1.5973
110	334.8	4.057	0.2465	305.1	1190.0		802.6	1107.3	0.4827	1.1138	1.5965
111	335.5	4.022	.2486	305.8	1190.1	884.3	802.0	1107.4	.4836	1.1122	1.5957
112	336.1	3.988	.2508	306.5	1190.3	883.7	801.4	1107.6	.4844	1.1106	1.5950
113 114	336.8 337.4	3.954 3.921	.2529	307.2	1190.4	883.2 882.7	800.9 800.3	1107.7	.4853 .4861	1.1090	1.5943
115	338.1	3.889	0.2572	308.6	1190.7	882.1	799.7	1107.9	0.4870	1.1058	1.5928
116	338.7	3.857	.2593	309.2	1190.8	881.6	799.2	1108.0.	.4878	1.1043	1.5921
117	339-4	3.826	.2614	309.9	1191.0	881.1	798.6	1108.1	.4886	1.1027	1.5914
118 119	340.0 340.6	3.795 3.765	.2635	310.6	1191.1	880.6 880.0	798.0 797.5	1108.2	.4895 .4903	1.1012	1.5907
120	341.3		0.2678	311.9	1191.4	879.5	796.9	1108.4	0.4911	1.0982	1.5893
121	341.9	3.735 3.705	.2699	311.9	1191.4	879.0	796.4	1108.5	.4919	1.0967	1.5886
122	342.5	3.676	.2720	313.2	1191.6	878.5	795.8	1108.6	.4927	1.0952	1.5879
123	343.1	3.648	.2741	313.8	1191.8	878.0	795.3	1108.7	-4935	1.0937	1.5872
124	343-7	3.620	.2762	314.4	1191.9	877.5	794.8	1108.8	·4943	1.0922	1.5865

Pres- sure,	Temp.,	Volume,	Weight,		ntent in t.u.		heat in	Energy		Bntropy	•
lb. per sq. in.	· F.	cu. ft. per lb.	lb. per cu. ft.	of liquid	of vapor	of vapor- ization	Internal	in B.t.u.	of liquid	of vapor- ization	of vapor
p	t	∀*	1/7"	i'	i"	r	P	u"	g'	r/T	8.
125	344-4	3.593	0.2783	315.1	1192.0	876.9	794-2	1108.8	0.4950	1.0908	1.5858
126	345.0	3.566	.2805	315.7	1192.1	876.4	793-7	1108.9	.4958	1.0894	1.5852
127	345.6	3.539	.2826	316.3	1192.3	875.9	793.2	1109.0	.4966	1.0879	1.5845
128 129	346.2 346.8	3.513 3.487	.2847	316.9 317.6	1192.4	875.4	792.6	1109.1	.4974	1.0865	1.5838
				-				-	_	•	
130	347-4	3.461 3.436	0.2889	318.2	1192.6	874.4 873.9	791.6	1109.3	0.4989	1.0836	1.5825
131 132	347·9 348.5	3.412	.2931	319.4	1192.7	873.5	791.0	1109.4	.4996	1.0808	1.5819
133	349.1	3.387	.2952	320.0	1193.0	873.0	790.0	1109.5	.5011	1.0795	1.5806
134	349.7	3.363	.2973	320.6	1193.1	872.5	789.5	1109.6	.5019	1.0781	1.5800
135	350.3	3.340	0.2994	321.2	1193.2	872.0	789.0	1109.7	0.5026	1.0767	1.5793
136	350.8	3.316	.3016	321.8	1193.3	871.5	788.5	1109.8	.5033	1.0754	1.5787
137	351.4	3.293	.3037	322.4	1193.4	871.0	788.0	1109.9	.5041	1.0740	1.5781
138	352.0	3.270	.3058	323.0	1193.5	870.5	787.4	1110.0	.5048	1.0727	1.5775
139	352.5	3.248	.3079	323.6	1193.6	870.1	786.9	1110.0	.5055	1.0714	1.5769
140	353.1	3.226	0.3100	324.2	1193.7	869.6	786.4	1110.1	0.5062	1.0700	1.5762
141	353.6	3.204	.3121	324.7	1193.8	869.1	785.9	1110.2	.5069	1.0687	1.5756
142	354.2	3.182	.3142	325.3	1193.9	868.6	785.4	1110.3	.5076	1.0674	1.5750
143	354.8	3.161	.3163	325.9	1194.0	868.2	785.0	1110.3	.5083	1.0661	1.5744
144	355.3	3.140	.3184	326.5	1194.1	867.7	784.5	1110.4	.5090	1.0648	1.5738
145	355.8	3.120	0.3206	327.0	1194.2	867.2	784.0	1110.5	0.5097	1.0636	1.5733
146	356.3	3.099	.3227	327.6	1194.3	866.8	783.5	1110.6	.5104	1.0623	1.5727
147	356.9	3.079	.3248	328.2	1194.4	866.3	783.0	1110.6	.5111	1.0610	1.5721
148 149	357·4 357·9	3.059 3.039	.3209	328.7 329.3	1194.5	865.8 865.4	782.5 782.0	1110.7	.5117	1.0598	1.5715
150	358.5	3.020	0.3311	329.8	1194.7	864.9	781.6	1110.9	0.5131	1.0573	1.5704
151	359.0	3.001	.3332	330.4	1194.8	864.5	781.1	1110.9	.5138	1.0561	1.5698
152	359.5	2.982	-3353	330.9	1194.9	864.0	780.6	1111.0	.5144	1.0548	1.5692
153	360.0	2.963	-3375	331.5	1195.0	863.6	780.1	1111.1	.5151	1.0536	1.5687
154	360.5	2.945	.3396	332.0	1195.1	863.1	779-7	1111.1	.5157	1.0524	1.5681
155	361.1	2.927	0.3417	332.5	1195.2	862.7	779.2	1111.2	0.5164	1.0512	1.5676
156	361.6	2.909	.3438	333.I	1195.3	862.3	778.7	1111.3	.5170	1.0500	1.5670
157	362.1	2.892	-3459	333.6	1195.4	861.8	778.3	1111.3	-5177	1.0488	1.5665
158 159	362.6 363.1	2.874 2.857	.3480 .3501	334.1	1195.5	861.4 860.9	777.8 777.3	1111.4	.5183	1.0476	1.5659 1.5654
160	363.6	2.839	0.3522	335.2	1195.7	860.5	776.9	1111.5	0.5196	1.0453	1.5649
161 162	364.1 364.6	2.822 2.806	·3543 ·3564	335·7 336.2	1195.8	860.0 859.6	776.4 776.0	1111.6	.5202	1.0441	1.5643
163	365.1	2.789	.3585	336.2	1195.0	859.2	775.5	1111.7	.5209 .5215	1.0429	1.5633
164	365.6	2.773	.3606	337.3	1196.0	858.7	775.1	1111.8	.5221	1.0406	1.5627
165	366.1	2.757	0.3627	337.8	1196.1	858.3	7.74.6	1111.8	0.5227	1.0395	1.5622
166	366.5	2.741	.3648	338.3	1196.2	857.9	774.2	1111.9	.5233	1.0384	1.5617
167	367.0	2.725	.3670	338.8	1196.2	857.4	773.7	1112.0	5239	1.0373	1.5612
168	367.5	2.710	.3691	339.3	1196.3	857.0	773.3	1112.0	-5245	1.0361	1.5607
169	368.o	2.694	.3712	339.8	1196.4	856.6	772.8	1112.1	.5252	1.0350	1.5602
170	368.5	2.679	0.3733	340.3	1196.5	856.2	772.4	1112.1	0.5258	1.0339	1.5597
171	369.o	2.664	.3754	340.8	1196.6	855.7	771.9	1112.2	.5264	1.0328	1.5592
172	369.4	2.649	·3775	341.3	1196.6	855.3	771.5	1112.2	.5270	1.0317	1.5587
173 174	369.9 370.4	2.634 2.620	.3796 .3817	341.8 342.3	1196.7 1196.8	854.9 854.5	771.1 770.6	1112.3	.5275 .5281	1.0306 1.0295	1.5582
	_	_		• •	•						
175	370.8	2.605	0.3838 .3859	342.8	1196.9	854.1	770.2 769.8	1112.4	0.5287	1.0284	1.5572
176	371.3 371.8	2.591 2.577	.3059 .3880	343.3 343.8	1196.9	853.6 853.2	769.3	1112.5	.5293 .5299	1.0274 1.0263	1.5567
178	372.2	2.563	.3901	344.3	1197.1	852.8	768.9	1112.6	.5305	1.0252	1.5557
				, , , , , ,			768.5				

Pres-	Temp.,	Volume,	Weight,		ntent in .t.u.	Latent B.t	heat in	Energy		Entropy	
lb. per sq. in.	F.	cu. ft. per lb.	lb. per cu. ft.	of liquid	of vapor	of vapor- ization	Internal	in B.t.u.	of liquid	of vapor- ization	of vapor
P	t	₩,	I/V"	i'	i*	r	P	u.	8'	r/T	8"
180	373.I	2,536	0.3943	345.2	1197.2	852.0	768.0	1112.7	0.5316	1.0231	1.5547
181	373.6	2.523	.3964	345-7	1197.3	851.6	767.6	1112.7	.5322	1.0221	1.5542
182	374.0	2.509	.3985	346.2	1197.4	851.2	767.2	1112.8	.5328	1.0210	1.5538
183	374-5	2.496	.4006	346.7	1197.4	850.8	766.8	1112.8	-5333	1.0200	1.5533
184	374-9	2.483	.4027	347.1	1197.5	850.4	766.4	1112.9	-5339	1.0189	1.5528
185 186	375-4	2.470	0.4048	347.6	1197.6	849.9	765.9	1112.9	0.5344	1.0179	1.5523
187	375.8	2.457	.4069	348.1	1197.6	849.5	765.5	1113.0	.5350	1.0169	1.5519
188	376.3 376.7	2.445	.4090 .4111	348.6 349.0	1197.7	849.1 848.7	765.1 764.7	1113.0	.5356	1.0159	1.5514
189	377.1	2.432	.4132	349.5	1197.8	848.3	764.3	1113.1	.5361	1.0138	1.5509
190	377.6	2.408	0.4154	350.0	1197.9	847.9	763.9	1113.2	0.5372	1.0128	1.5500
191	378.0	2.395	.4175	350.4	1197.9	847.5	763.4	1113.2	.5378	1.0118	1.5496
192	378.5	2.383	.4196	350.9	1198.0	847.I	763.0	1113.2	.5383	1.0108	1.5491
193	378.9	2.372	.4217	351.3	1198.1	846.7	762.6	1113.3	.5388	1.0099	1.5487
194	379-3	2.360	.4238	351.8	1198.1	846.3	762.2	1113.3	·5394	1.0089	1.5482
195	379-7	2.348	0.4259	352.2	1198.2	846.0	761.8	1113.4	0.5399	1.0079	1.5478
196	380.2	2.337	.4280	352.7	1198.2	845.6	761.4	1113.4	.5404	1.0069	1.5473
197	380.6	2.325	.4301	353.1	1198.3	845.2	761.0	1113.5	.5410	1.0059	1.5469
198	381.0	2.314	.4322	353.6	1198.4	844.8	760.6	1113.5	-5415	1.0049	1.5464
199	381.4	2.303	· 434 3	354.0	1198.4	844.4	760.2	1113.5	.5420	1.0040	1.5460
200	381.9	2.292	0.4364	354-5	1198.5	844.0	759.8	1113.6	0.5426	1.0030	1.5456
201	382.3	2.281	.4385	354-9	1198.5	843.6	759-4	1113.6	·5431	1.0020	1.5451
202	382.7	2.270	.4406	355-4	1198.6	843.2	759.0	1113.7	.5436	1.0011	1.5447
203 204	383.1 383.5	2.259	.4427 .4448	355.8 356.2	1198.6	842.9 842.5	758.6 758.2	1113.7	.5441	0.9992	1.5443
205	383.9	2.238	0.4469	356.7	1198.7	842.1	757.8	1113.8	0.5451	0.9983	1.5434
206	384.4	2.227	.4490	357.1	1198.8	841.7	757.4	1113.8	-5457	-9973	1.5430
207	384.8	2.217	.4511	357.5	1198.8	841.3	757.0	1113.9	.5462	.9964	1.5425
208	385.2	2.206	-4532	358.0	1198.9	840.9	756.7	1113.9	.5467	-9954	1.5421
209	385.6	2.196	-4553	358.4	1198.9	840.6	756.3	1114.0	-5472	·9945`	1.5417
210	386.o	2.186	0.457	358.8	1199.0	840.2	755.9	1114.0	0.5477	0.9936	1.5413
211	386.4	2.176	.460	359.3	1199.0	839.8	755-5	1114.0	.5482	.9927	1.5409
212	386.8	2.166	.462	359.7	1199.1	839.4	755-1	1114.1	.5487	.9918	1.5405
213 214	387.2 387.6	2.156	.464	360.1 360.5	1199.1	839.0	754·7 754·3	1114.1 1114.2	-5492 -5497	.9909	1.5400
215		· · ·	·								
216	388.o	2.137	0.468	361.0	1199.2	838.3	754.0	1114.2	0.5502	0.9890	1.5392
.217	388.4 388.8	2.128	.470	361.4 361.8	1199.3	837.9	753.6	1114.2	.5507	.9881 .9872	1.5388
218	389.2	2.109	.474	362.2	1199.3	837.2	753.2 752.8	1114.2	.5511	.9864	1.5380
219	389.6	2.099	.476	362.6	1199.4	836.8	752.4	1114.3	.5521	.9855	1.5376
220	390.0	2.090	0.478	363.0	1199.5	836.5	752.1	1114.3	0.5526	0.9846	1.5372
221	390.3	2.081	.481	363.4	1199.5	836.1	751.7	1114.4	.5531	.9837	1.5368
222	390.7	2.072	.483	363.9	1199.6	835.7	751.3	1114.4	.5536	.9828	1.5364
223	391.1	2.063	.485	364.3	1199.6	835.4	750.9	1114.4	.5540	.9820	1.5360
224	391.5	2.054	.487	364.7	1199.7	835.0	750.6	1114.5	-5545	.9811	1.5356
225	391.9	2.045	0.489	365.1	1199.7	834.6	750.2	1114.5	0.5550	0.9802	1.5352
226	392.3	2.030	.491	365.5	1199.7	834.3	749.8	1114.5	·5555	.9794	1.5348
228	392.7	2.028	-493	365.9	1199.8	833.9	749.4	1114.6	-5559	.9785	1.5344
229	393.0 393.4	2.019	·495 ·497	366.3 366.7	1199.8	833.6	749.1 748.7	1114.6	.5564	·9777 ·9768	1.5341
230				'		1					
231	393.8	2.002	0.499	367.1	1199.9	832.8	748.3 748.0	1114.6	0.5573	0.9760	1.5333
232	394.2 394.5	1.994	.502	367.5 367.9	1199.9	832.5	747.6	1114.7	.5578 .5 583	.9751	1.5329
233	394-9	1.977	.506	368.3	1200.0	831.7	747.2	1114.7	.5587	9734	1.5325
234	395.3	1.969	.508	368.7	1200.I	831.4	746.9	1114.8	-5592	.9726	1.5318

Pres-	Temp.,	Volume,	Weight,		ntent in t.u.		heat in	Energy		Entropy	
Ib. per sq. in.	F.	cu. ft. per lb.	lb. per cu. ft.	of liquid	of vapor	of vapor- ization	Internal	in B.t.u.	of liquid	of vapor- ization	of vapor
р	t	∀″ ,	I/V"	i'	i"	r	p	u"	g'	r/T	8"
235	395.6	1.961	0.510	369.1	1200.1	831.0	746.5	1114.8	0.5597	0.9717	1.5314
236	396.0	1.953	.512	369.5	1200.1	830.7	746.2	1114.8	.5601	.9709	1.5310
237	396.4	1.945	.514	369.9	1200.2	830.3	745.8	1114.8	.5606	.9701	1.5306
238	396.8	1.937	.516	370.3	1200.2	830.0	745.4	1114.9	.5610	.9692	1.5302
239	397.1	1.929	.518	370.6	1200.2	829.6	745.1	1114.9	.5615	.9684	1.5299
240	397.5	1.921	0.521	371.0	1 200.3	829.3	744-7	1114.9	0.5619	0.9676	1.5295
241	397.9	1.913	.523	371.4	1 200.3	828.9	744.4	1114.9	.5624	.9668	1.5291
242	398.2	1.906	.525	371.8	1200.4	828.6	744.0	1115.0	.5628	.9660	1.5288
243	398.6	1.898	.527	372.2	1200.4	828.2	743.6	1115.0	.5633	.9651	1.5284
244	398.9	1.890	.529	372.6	1200.4	827.8	743-3	1115.0	.5637	.9643	1.5280
245	399.3	1.883	0.531	373.0	1200.5	827.5	742.9	1115.1	0.5641	0.9635	1.5276
246	399.7	1.876	.533	373.3	1200.5	827.2	742.6	1115.1	.5646	.9627	1.5273
247	400.0	1.868	-535	373.7	1200.5	826.8	742.2	1115.1	.5650	.9619	1.5269
248	400.4	1.861	∙537	374.I	1200.6	826.5	741.9	1115.1	.5655	.9611	1.5266
249	400.7	1.854	.540	374-5	1200.6	826.1	741.5	1115.1	.5659	.9603	1.5262
250	401.1	1.846	0.542	374-9	1200.6	825.8	741.2	1115.2	0.5663	0.9595	1.5258
251	401.4	1.839	-544	375.2	1 200.7	825.5	740.8	1115.2	.5668	.9587	1.5255
252	401.8	1.832	.546	375.6	1200.7	825.1	740.5	1115.2	.5672	∙9579	1.5251
253	402.1	1.825	.548	376.0	1200.7	824.8	740.1	1115.2	.5676	.9572	1.5248
254	402.5	1.818	.550	376.4	1200.8	824.4	739.8	1115.3	.5680	.9564	1.5244
255	402.9	1.811	0.552	376.7	1200.8	824.1	739-5	1115.3	0.5685	0.9556	1.5241
256	403.2	1.804	·554	377.I	1200.8	823.7	739.1	1115.3	.5689	.9548	1.5237
257	403.5	1.798	.556	377.5	1200.9	823.4	738.8	1115.3	.5693	.9540	1.5233
258 259	403.9	1.791	.558 .561	377.8	1200.9	823.I 822.7	738.4 738.1	1115.3	.5697 .5702	·9533 ·9525	1.5230
	404.2	1.704	_		1200.9	622.7	/30.1	*****	.5/02	.9323	1.3227
260 261	404.5	1.777	0.563 .565	378.6 378.9	1201.0	822.4 822.1	737.7	1115.4	0.5706	0.9517	1.5223
262	404.9	1.764	.567	379.3	1201.0	821.7	737.1 737.1	1115.4	.5710 .5714	.9510 .9502	1.5216
263	405.6	1.758	.569	379.7	1201.0	821.4	736.7	1115.5	.5718	·9494	1.5213
264	405.9	1.751	.571	380.0	1201.1	821.0	736.4	1115.5	.5722	.9487	1.5209
265	406.2	1.745	0.573	380.4	1201.1	820.7	736.0	1115.5	0.5727	0.9479	1.5206
266	406.6	1.738	·575	380.7	1201.1	820.4	735.7	1115.5	.5731	.9472	1.5202
267	406.9	1.732	.577	381.1	1201.1	820.0	735.4	1115.5	-5735	.9464	1.5199
268	407.2	1.726	.580	381.5	1201.2	819.7	735.0	1115.6	-5739	-9457	1.5196
269	407.6	1.720	.582	381.8	1201.2	819.4	734-7	1115.6	-5743	-9449	1.5192
270	407.9	1.713	0.584	382.2	1201.2	819.1	734-4	1115.6	0.5747	0.9442	1.5189
271	408.2	1.707	.586	382.5	1201.3	818.7	734.0	1115.6	.5751	.9434	1.5185
272	408.6	1.701	.588	382.9	1201.3	818.4	733.7	1115.6	-5755	.9427	1.5182
273	408.9	1.695	.590	383.2	1201.3	818.1	733.4	1115.7	-5759	.9420	1.5179
274	409.2	1.689	.592	383.6	1201.3	817.7	733.0	1115.7	.5763	.9412	1.5175
275	409.6	1.683	0.594	383.9	1201.4	817.4	732.7	1115.7	0.5767	0.9405	1.5172
276	409.9	1.677	.596	384.3	1201.4	817.1	732.4	1115.7	.577I	.9398	1.5169
277	410.2	1.671	.598	384.6	1201.4	816.8	732.1	1115.7	.5775	.9390	1.5165
278	410.5	1.665	.601	385.0	1201.4	816.4	731.7	1115.7	-5779	.9383	1.5162
279	410.9	1.660	.603	385.3	1201.5	816.1	731.4	1115.7	.5783	.9376	1.5159
280	411.2	1.654	0.605	385.7	1201.5	815.8	731.1	1115.8	0.5787	0.9369	1.5156
281	411.5	1.648	.607	386.0	1201.5	815.5	730.7	1115.8	.5791	.9361	1.5152
282	411.8	1.642	.609	386.4	1201.5	815.2	730.4	1115.8	∙5795	-9354	1.5149
283 284	412.1	1.637	.611 .613	386.7 387.1	1201.5	814.8	730.1 729.8	1115.8	·5799 ·5803	.9347 .9340	1.5146
-	7.2.3				1201.0		/-9.0			.9340	343
285 286	412.8	1.625	0.615	387.4	1201.6	814.2	729.5	1115.8	0.5806	0.9333	1.5139
280 287	413.1	1.620	.617 .620	387.7 388.1	1201.6	813.9	729.I 728.8	1115.9	.5810	.9326	1.5130
287 288	413.4 413.7	1.609	.622	388.4	1201.6	813.5	728.5	1115.9	.5814 .5818	.9319	1.5133
289	414.1	1.603	.624	388.8	1201.7	812.9	728.2	1115.9	.5822	.9305	1.5130
9				355.5	/	J.2.9	1 '-5.2		.,,,,,,,	1 .5303	3/

Pres-	Temp.,	Volume,	Weight,		ontent in t.u.		heat in	Energy		Entropy	
lb. per sq. in.	° F.	cu. ft. per lb.	lb per cu. ft.	of liquid	of vapor	of vapor- ization	Internal	in B.t.u.	of liquid	of vapor- ization	of vapor
p	t	▼"	1/4"	i'	i'	r	ρ	u"	g'	r/T	8"
290	414.4	1.598	0.626	389.1	1201.7	812.6	727.9	1115.9	0.5826	0.9298	1.5123
291	414.7	1.592	.628	389.4	1201.7	812.3	727.5	1115.9	.5829	.9291	1.5120
292	415.0	1.587	.630	389.8	1201.7	811.9	727.2	1115.9	.5833	.9284	1.5117
293 294	415.3 415.6	1.582 1.576	.632 .634	390.I 390.5	1201.7	811.6	726.9 726.6	1116.0	.5837 .5841	.9277 .9270	1.5114
295	415.9	1.571	0.636	390.8	1201.8	811.0	726.3	1116.0	0.5845	0.9263	1.5108
296	416.2	1.566	.638	391.1	1201.8	810.7	725.9	1116.0	.5848	.9256	1.5105
297	416.5	1.561	.641	391.4	1201.8	810.4	725.6	1116.0	.5852	.9249	1.5102
298 299	416.9 417.2	1.556	.643 .645	391.8 392.1	1201.8	810.1 809.8	725.3 725.0	1116.0	.5856 .5860	.9243 .9236	1.5098
300	417.5	1.545	0.647	392.4	1201.9	809.4	724.7	1116.0	0.5863	0.9229	1.5092
305	419.0	1.520	.658	394.I	1202.0	807.9	723.I	1116.1	.5882	.9195	1.5077
310	420.5	1.496	.668	395.7	1202.0	806.4	721.6	1116.2	.5900	.9162	1.5062
315	421.0	1.473	.679	397-3	1202.1	804.8	720.1	1116.2	.5918	.9129	1.5047
320	423-4	1.450	.690	398.9	1202.2	803.3	718.5	1116.3	-5935	.9097	1.5032
325	424.9	1.428	0.700	400.4	1202.2	801.8	717.0	1116.3	0.5953	0.9065	1.5018
330	426.3	1.407	.711	402.0	1202.3	800.3	715.6	1116.3	.5970	.9034	1.5004
335	427.7	1.386	.721	403.5	1202.3	798.9	714.1	1116.4	.5987	.9003	1.4990
340 345	429.1 430.5	1.366 1.346	·732 ·743	405.0	1202.4	797-4	712.6 711.2	1116.4	.6004	.8972 .8942	1.4976
350	431.9		0.753	408.0	1202.5		709.7	1116.4	0.6036	0.8912	1.4949
355	433.2	1.327	.764	409.4	1202.5	794·5 793·1	708.3	1116.4	.6052	.8883	1.4935
360	434.6	1.291	·775	410.9	1202.5	791.6	706.9	1116.5	.6068	.8854	1.4922
365	435-9	1.273	.785	412.3	1202.5	790.2	705.5	1116.5	.6084	.8825	1.4909
370	437.2	1.256	.796	413.7	1202.6	788.8	704.1	1116.5	.6100	.8796	1.4896
375	438.5	1.239	0.807	415.1	1202.6	787.5	702.7	1116.5	0.6115	0.8768	1.4884
380 385	439.8	1.223	.817 .828	416.5	1202.6 1202.6	786.1 784.7	701.4	1116.5	.6130 .6146	.8741 .8713	1.4871
390	441.0 442.3	1.207	.839	417.9 419.3	1202.6	783.3	700.0 698.7	1116.5	.6161	.8686	1.4847
395	443.5	1.177	.850	420.6	1202.6	781.9	697.3	1116.5	.6175	.8659	1.4834
400	444.8	1.162	0.860	422.0	1202.5	780.6	695.9	1116.5	0.6190	0.8631	1.4821
410	447.2	1.134	.882	424.6	1202.5	777.9	693.3	1116.4	.6219	.8578	1.4797
420	449.6	1.107	.903	427.2	1202.4	775.2	690.7	1116.3	.6247	.8526	1.4773
430 440	451.9 454.2	1.081	.925 .947	429.8	1202.4	772.6	688.1 685.6	1116.3 1116.2	.6275	.8476 .8426	1.4750
450	456.5		0.968	434.8	1202.2	767.4	683.1	1116.2	0.6329	0.8377	1.4706
460	458.7	1.033	0.990	437.2	1202.1	764.9	680.6	1116.1	.6355	.8330	1.4685
470	460.9	0.988	1.012	439.6	1202.0	762.4	678.1	1116.0	.6381	.8283	1.4664
480 490	463.1	.968	1.033	442.0	1201.9	759.9	675.6	1115.9	.6406	.8237	1.4643
	465.2	.948	1.055	444-3	1201.8	757-5	673.3	1115.8	.6431	.8191	1.4622
500	467.2	0.928	1.077	446.6	1201.7	755.0	670.9	1115.7	0.6455	0.8146	1.4601
520 540	471.3	.892	1.121	451.1	1201.3	750.2	666.2	1115.4	.6503	.8059	1.4562
560	475·3 479·1	.858 .827	1.165	455·5 459.8	1201.0	745.5	661.7 657.2	1115.1	.6549 .6594	·7975 ·7893	1.4524
580	482.8	.798	1.254	463.9	1200.0	736.3	652.8	1114.6	.6637	.7813	1.4450
600	486.5	0.770	1.30	468.0	1199.8	731.8	648.5	1114.3	0.6679	0.7735	1.4414
650	495.2	.708	1.41	477.8	1198.7	720.9	638.0	1113.4	.6780	.7550	1.4330
700	503.4	.656	1.52	487.1	1197.4	710.3	627.9	1112.3	.6874	.7376	1.4250
750 800	511.1 518.5	.610	1.64 1.76	495.9	1195.9	700.0 690.1	618.2	1111.2	.6963 .7048	.7212	1.4175
		.570	i i	504.3	1194.4	-	1	1110.0	' '.	.7056	1.4104
850 900	525.5	0.534	1.87	512.5	1192.8	680.4	599.7	1108.8	0.7128	0.6907	1.4035
1000	532.3	.502	1.99	520.3	1191.1	670.8	590.8	1107.5	.7205	.6764	1.3969
1100	544.9 556.6	·447 ·403	2.24	535.2 549.1	1187.6	652.4	573.6 557.3	1104.7	·7349 ·7482	.6496 .6247	1.3845
1200	567.7	.364	2.74	562.3	1179.7	617.6	541.8	1098.8	.7607	.6015	1.3622

TABLE 2
PROPERTIES OF SATURATED STEAM
TEMPERATURES

Temp.,	Pres	sure	Volume, cu. ft.	Weight,	Heat o	ontent l.t.u.	Laten in B		Energy in		Entropy	
° F.	Lb. per sq. in.	In. of mercury	per lb.	lb. per cu. ft.	of liquid	of vapor	of vapor- ization	Inter- nal	B.t.u.	of liquid	of vapor- ization	of vapor
t	p	_	₹*	I/T"	i'	i*	r	P	u"	s'	r/T	8"
32	0.0887	0.1806	3296	0.000304	0.0	1073.0	1073.0	1018.9	1018.9	0.0	2.1826	2.182
33	.0923	.1880	3173	.000315	1.01	1073.5		1018.2		.0021	2.1771	2.179
34	.0961	.1957	3054	.000327	2.01	1074.0	1072.0	1017.6	1019.6	30041	2.1717	2.175
35	0.1000	0.2036	2941	0.000340	3.02	1074.4			1020.0		2.1662	2.172
36	.1041	.2119	2832	.000353		1074.9			1020.3		2.1608	
37	.1083	.2204		.000367		1075.4		1015.7			2.1554	
38	.1126	.2292		.000381		1075.9		1015.0				
39	.1171	.2384	2533	.000395	7.05	1076.3	1	1014.4	1 .	.0143	2.1446	2.158
40 41	0.1217	0.2478 .2576		0.000410		1076.8		1013.7	1021.8		2.1392 2.1339	
42	.1315	.2678		.000441			1067.7	1012.5	1022.5		2.1286	
43	.1367	.2783	1 -	.000457		1078.2		1011.8			2.1233	
44	.1420	.2891		.000474		1078.7		1011.2				
45	0.1475	0.3003		0.000492		1079.2		1010.5			2.1128	
46	.1532	.3120		.000510			1065.6				2.1076	
47	.1591	.3240		.000528			1065.0				2.1024	
48	.1652	.3364		.000547		1080.6		1008.6				
49	.1715	.3492	1763	.000567	i '	1081.1	1	1008.0	1025.1	.0342	2.0920	2.126
50	0.1780	0.3624		0.000588		1081.5		1007.3				
51	.1848		1643	.000609			1062.9				2.0817	
52	.1918			.000631			1062.4				2.0766	
53	.1989			.000653			1061.9					
54	.2063	.4200	1480	.000676		1083.4	1001.3	1004.8	1026.9	.0439	2.0665	2.110
55	0.2140			0.000699	23.08			1004.1			2.0614	
56	.2219	.4517		.000724			1060.3				2.0564	
57	.2300			.000749		1084.8	1059.7				2.0514	
58	.2384			.000775		1085.3		1002.2				
59	.2471	.5032	1248	.000802	27.08	•	1058.7	1001.0	1028.7	.0536	2.0414	2.095
60	0.2561	0.5214		0.000829	28.08			1000.9			2.0365	
61	.2654			.000858			1057.6			.0575	2.0315	2.089
62	.2749			.000887	30.08		1057.1				2.0266	2.086
63	.2848	7.5	1091	.000917	31.08		1056.5					2.083
64	.2949	.6005	1055	.000948	32.08	1088.1	1056.0	998.4	1030.5	.0632	2.0168	2.080
65	0.3054	0.6218	1 -	0.000979	33.08	1088.6		997.7	1030.8			
66	.3162			.001012			1054.9				2.0071	
67	·3273	.6664		.001046		1089.5	1054.4				2.0023	
68	.3388	.6898	1 5 6	.001080	36.08	1089.9			1031.9		1.9975	
69	.3506	.7139	896	.001116	37.07	1090.4	1053.3	995.1	1032.2	' '	•••	
70	1	0.7386		0.001153			1052.8			0.0746	1.9879 1.9831	
71	-3754			.001190			1052.2				1.9831	
72 72	.3883	.7906 8177		.001229			1051.7		1033.3		1.9737	
73 74	.4153	.8456		.001209			1051.2		1033.0		1.9690	
75	0.4295	0.8744	740	0.001352	43.06	1003.2	1050.1	991.3	1034.4	0.0840	1.9643	2.048
76	.4440			.001395			1049.6				1.9596	
77	.4590			.001439			1049.0		1035.1		1.9550	
78	.4744			.001485	46.06	1094.6	1048.5	989.3	1035.4	.0896	1.9503	
		.9981		.001532			1048.0		1035.8	.0914		

Temp	Pre	ssure	Volume,		Heat o	ontent 3.t.u.	Laten in B	t heat .t.u.	Energy		Entropy	•
Temp., • F.	Lb. per	In. of mercury	cu. ft. per lb.	lb. per cu. ft.	of liquid	of vapor	of vapor- ization	Inter- nal	B.t.u.	of liquid	of vapor-	of vapor
t	P	_	∀″	1/7"	i'	i"	r	ρ	u'	8'	r/T	8"
80	0.507	7.007	632.9	0.001580	48.05		TO 47 4		1036.1			
81	.523	1.031	613.7	.001580			1047.4	987.4		0.0933		2.0344
82	.54I	1.101	595.2	.001680	49.05		1046.3	986.8	1036.8		1.9365	2.0316
83	.558	1.137	577.4	.001732	51.05		1045.8	986.1			1.9319	2.0289 2.0262
84	.577	1.174	560.0	.001786	52.04		1045.3	985.5	1037.5		1.92/4	2.0202
85	0.596	1.212	543.3	0.001841	53.04	1097.8	1044.7	984.8	1037.9	0.1025	1.9183	2.0208
86	.615	1.251	527.2	.001897	54.04		1044.2		1038.2	.1043	1.9138	2.0181
87	.635	1.292	511.6	.001955	55.04		1043.6	983.5	1038.6	.1061	1.9093	2.0155
88	.655	1.334	496.6	.002014	56.03		1043.1		1038.9	.1080	1.9048	2.0128
89	.676	1.374	482.0	.002075	57.03	1099.6	1042.6	982.2	1039.3	.1098	1.9004	2.0102
90	0.698	1.421	467.9	0.002137	58.03	1	1042.0	981.6	1039.6			2.0075
91	.720	1.466	454-3	.002201	59.03		1041.5		1040.0		1.8915	2.0049
92 93	.743 .766	1.512	441.2 428.4	.002267	61.02		1041.0	980.3 979.6	1040.3		1.8871	2.0023
94	.790	1.609	416.1	.002403	62.02		1039.9	979.0	1041.0		1.8783	1.9997
95	0.815	1.659	404.2	0.002474	63.01	1102.3	1039.3	978.3	1041.3	0.1206	1.8740	1.9946
96	.840	1.710	392.7	.002547	64.01		1038.8	977.7		.1224	1.8696	1.9920
97	.866	1.763	381.6	.002621	65.01		1038.2	977.0	1042.0		1.8653	1.9895
98	.893	1.818	370.8	.002697	66.or	1103.7	1037.7	976.4	1042.4	.1260	1.8610	1.9870
99	.920	1.874	360.4	.002775	67.00	1104.1	1037.1	975-7	1042.7	.1278	1.8566	1.9844
100	0.949	1.931	350.3	0.002855	68.∞		1036.6	975.1		0.1296		1.9819
IOI	0.978	1.990	340.5	.002937	69.∞		1036.0				1.8481	1.9794
102	1.008	2.051	331.1	.003021	69.99		1035.5	973.8	1043.8	, ,,,	1.8438	1.9769
103 104	1.038	2.113	321.9	.003107	70.99 71.99		1034.9	973.1 972.4	1044.1		1.8396 1.8353	1.9745 1.9720
105	1.101	2.241	304.4	0.003285	72.98		1033.9	971.8	1044.8	0.1384	T 8211	1.9695
106	1.134	2.308	296.1	.003377	73.99		1033.3		1045.1		1.8269	1.9671
107	1.168	2.377	288.1	.003472	74.98		1032.8	970.5	1045.5	.1420	1.8227	1.9647
108	1.202	2.448	280.3	.003568	75.97		1032.2	969.8	1045.8	.1437	1.8185	1.9623
109	1.238	2.520	272.7	.003667	76.97	1108.6	1031.7	969.2	1046.2	.1455	1.8144	1.9599
110	1.274	2.594	265.4	0.003769	77.97	1100.1	1031.1	968.5	1046.5	0.1472	1.8102	1.9575
III	1.311	2.670	258.2	.003873	78.96		1030.6		1046.8		1.8061	1.9551
112	1.350	2.748	251.3	.003979	79.96		1030.0	967.2	1047.2	.1507	1.8020	1.9527
113	1.389	2.827	244.7	.004087	80.96	1110.4	1029.5	966.5	1047.5	.1525	1.7979	1.9503
114	1.429	2.909	238.2	.004198	81.96	1110.9	1028.9	965.9	1047.9	.1542	1.7938	1.9480
115	1.470	2.993	231.9	0.004312	82.95		1028.4		1048.2			1.9456
116	1.512	3.079	225.8	.004428	83.95		1027.8	964.6	1048.5		1.7856	1.9433
117 118	1.555	3.167	219.9	.004547	84.95		1027.3	963:9	1048.9		1.7815	1.9409
119	1.600	3·257 3·349	214.2 208.6	.004669	85.94 86.94		1026.7	963.3 962.6	1049.2	.1629	1.7775	1.9386 1.9363
120	1.692	3.444	203.2	0.00492	87.94	Ĭ	1025.6		1049.9			1.9341
121	1.739	3.541	198.0	.00505	88.93		1025.0		1049.9	.1662	1.7655	1.9341
122	1.788	3.640	192.9	.00518	89.93		1025.0		1050.5		1.7615	1.9295
123	1.838	3.741	188.0	.00532	90.93		1023.9		1050.9	_	1.7575	1.9272
124	1.889	3.845	183.2	.00546	91.93		1023.4		1051.2		1.7535	1.9250
125	1.941	3.952	178.6	0.00560	92.92	1115.7	1022.8	958.6	1051.5	0.1732	1.7406	1.9227
126	1.995	4.061	174.1	.00574	93.92		1022.2		1051.9		1.7456	
127	2.049	4.172	169.7	.00589	94.92	1116.6	1021.7	957.3	1052.2		1.7417	1.9183
128	2.105	4.286	165.5	.00604	95.92		1021.1	956.6	1052.5		1.7378	1.9161
129	2.163	4.403	161.3	.00620	96.91	1117.5	1020.6	956.0	1052.9	.1800	1.7339	1.9139
130	2.221	4.523	157.3	0.00636	97.91	1117.9	1020.0	955-3	1053.2			
131	2.281	4.645	153.4	.00652	98.91		1019.5		1053.5		1.7261	
132 133	2.343	4.770	149.7	.00668	99.91		1018.9		1053.9		1.7223	
-33 134	2.406	4.898	146.0	.00685	100.91		1018.3		1054.2		1.7184	
~	4/0	5.029	142.4	.00/02	101.90	1119.7	1017.0	952.0	1054.5	.1004	1.7146	1.9030

emp.,	Pres	sure	Volume,	Weight,	Heat c	ontent .t.u.	Laten in B	t heat .t.u.	Energy		Entropy	
• F.	Lb. per sq. in.	In. of mercury	cu. ft. per lb.	lb. per cu. ft.	of liquid	of vapor	of vapor- ization	Inter- nal	in B.t.u.	of liquid	of vapor- ization	of vapo
·t	P	_	▼"	1/4"	i'	i*	r	P	u.	8'	r/T	8"
185	2.536	5.16	138.9	0.00720	102.90	1120.1	1017.2	952.0	TO54 0	0.1901	1.7107	1.90
136	2.603			.00738		1120.5	1016.6					
		5.30	135.6				_	951.3	1055.2		1.7069	
137	2.672	5 44	132.3	.00756	104.90	ř		950.6	1055.5	.1935	1.7031	
138	2.742	5.58	129.1	.00775	105.90			950.0			1.6993	1.89
139	2.814	5.73	126.0	.00794	106.90	1121.8	1014.9	949.3	1056.2	.1968	1.6955	1.89
40	2.887	5.88	123.0	0.00813	107.89	1122.3	1014.4	948.6 948.0	1056.5		1.6918 1.6880	
[4]	2.962	6.03	120.1	.00853						.2001		
142	3.039	6.19	117.2	.00874		1123.1	1013.3	947.3	1057.2	.2018	1.6842	
[43 [44	3.118 3.198	6.35	114.5	.00895	111.89	1123.6	1012.7	946.6 945.9	1057.5	.2034	1.6805	
45	3.280	6.68	109.2	0.00916	112.89	1124.4	1011.5	945.3		0.2067		
46	3.363	6.85	106.6	.00938	113.89		1011.0	944.6			1.6694	
47	3.449	7.02	104.1	.00960	114.89		1010.4	943.9	1058.8		1.6657	
48	3.536	7.20	101.7	.00983	115.88		1009.8	943.3	1059.1			
49	3.625	7.38	99.4	.01006	116.88	1126.1	1009.3	942.6	1059.5	.2133	1.6583	1.87
50	3.716	7.57	97.1	0.01030	117.88	1126.6	1008.7	941.9	1059.8	0.2150		
51	3.809	7.76	94.9	.01054	118.88	1127.0	1008.1	941.2	1060.1	.2166	1.6510	1.86
52	3.904	7.95	92.7	.01079	119.88	1127.4	1007.5	940.6	1060.4	.2182	1.6474	1.86
53	4.001	8.15.	90.6	.01104	120.88	1127.8	1007.0	939.9	1060.7	.2199	1.6438	1.86
54	4.100	8.35	88.5	.01130	121.88	1128.3	1006.4	939.2	1061.1	.2215	1.6402	
55	4.201	8.55	86.5	0.01156	122.88	1128.7	1005.8	938.5	1061.4	0.2231	1.6366	1.8
56 .	4.305	8.76	84.6	.01182	123.88	1129.1	1005.2	937.8			1.6330	
57	4.410	8.98	82.7	.01209	124.88		1004.7	937.2	1062.0		1.6294	1.8
58	4.518	9.20	80.8	.01237	125.88	1130.0		936.5	1062.4		1.6258	
159	4.627	9.42	79.0	.01265	126.88	1130.4		935.8		.2296		1.85
L60	4.739	9.65	77.30	0.01294	127.88	1130.8	1002.9	935.1	1063.0	0.2312	1.6187	1.84
161.	4.853	9.88	75.59	.01323	1	1131.2		934.4		.2328	1.6151	
162	4.970	10.12	73.93	.01353		1131.6				.2344	1.6116	
163	5.089	10.36	72.31	.01383	130.87	, .	1001.2	933.1		.2360	1.6081	1.8
64	5.210	10.61	70.73	.01414	131.87			932.4	1064.3	.2376	1.6046	1.8
L 6 5	5.334	10.86	69.19	0.01445	132.88	1132.9	1000.0	931.7	1064.6	0.2392	1.6011	1.84
166	5.460	11.12	67.69	.01477	133.88		1			1 00	1.5976	
167	5.589	11.38	66.23	.01510	134.88			930.3	1065.2			1.8
168	5.720	11.65	64.81				1		1065.5		1 00.	
169	5.854	11.92	63.42	.01543	135.88	1134.2		929.7	1065.8		1.5906	
70	Z 000		62.07	6	00		207.7	928.3	1066.1		0	
	5.990	12.20		0.01611	137.88	1135.0					1.5837	
171	6.13	12.48	60.75	.01646	138.88				1066.5			
72	6.27	12.77	59.46	.01682	139.88	1135.8		926.9	1066.8		1.5768	
[73 [74	6.42	13.36	58.20	.01718	140.88	1136.2			1067.1		1.5734	
-			" "		'	•			' '	"		
175	6.71	13.67	55.78	0.01793	142.88					0.2552	1.5666	1.8
176	6.87	13.98	54.62	.01831	143.89	,			1068.0	.2567	1.5632	1.8
177	7.02	14.30	53.48	.01870	144.89				1068.3		1.5598	
178	7.18	14.62	52.37	.01909	145.89					1 322	1.5565	
79	7.34	14.95	51.29	.01950	146.89	1138.7	991.8	922.1	1069.0	.2614	1.5531	1.8
80	7.51	15.29	50.24	0.01991	147.89	1139.1			1069.3		1.5497	
181	7.68	15.63	49.21	.02032	148.89	1139.5	990.6	920.7	1069.6		1.5464	
182	7.85	15.98	48.20	.02075		1139.9		920.0	1069.9	.2661	1.5430	
183	8.02	16.34	47.22	.02118		1140.3					1.5397	
84	8.20	16.70	46.26	.02162		1140.7					1.5364	
.85	8.38	17.07	45.33	0.02206	152.90	1141.1	988.2	917.9	1070.8	0.2708	1.5331	1.8
186	8.57	17.44	44.41	.02252		1141.5					1.5298	1.80
187	8.76	17.82	43.52	.02298		1141.9			1071.4		1.5265	1
188	8.95	18.21	42.65	.02345		1142.3					1.5232	1
189	9.14	18.61	41.80	.02392		1142.7		915.1			1.5199	
	. 7.44	,	,	1375	-20.91	1/	1 202.0	1 2.2.7	1/	1//0		/ :

Temp.,	Pres	sure	Volume, cu. ft.	Weight, lb. per	Heat on H	content 3.t.u.		nt heat l.t.u.	Energy		Entropy	
• F.	Lb. per	In. of Mercury	per lb.	cu. ft.	of liquid	of vapor	of vapor- ization	Inter- nal	in B.t.u.	of liquid	of vapor- ization	of vapor
t	p	_	∀″	I/ V "	i'	i"	r	P	u"	8'	r/T	8"
190	9.34	19.01	40.97	0.02441	157.91	1143.1	985.2	914.4	1072.3	0.2786	1.5167	1.7952
191	9.54	19.42	40.16	.02490	158.92	1143.5	984.6		1072.6	.2801	1.5134	1.7935
192	9.75	19.42		.02540	159.92	1143.9		913.0	1072.9	.2816	1.5102	1.7918
193	9.96	20.27	39.37 38.60	.02591	160.92	1144.3	983.4	913.3	1073.2	.2832	1.5069	1.7901
194	10.17	20.70	37.84	.02543	161.92	1144.7	982.8	911.6	1073.5	.2847	1.5037	1.7884
195	10.38	21.14	37.10	0.02696	162.93	1145.1	982.2	010.0	1073.8	0.2863	1.5005	1.7867
196	10.60	21.59	36.38	.02749	163.93	1145.5	981.6			.2878		1.7850
197	10.83	22.05	35.68	.02803	164.93	1145.9	981.0		1074.4	.2893	1.4941	1.7834
198	11.0Ğ	22.51	34.99	.02859	165.94	1146.3	980.4	908.8	1074.7	.2908	1.4909	1.7817
199	11.29	22.98	34.31	.02915	166.94	1146.7	979.8	908.1	1075.0	.2924	1.4877	1.7800
200	11.53	23.46	33.65	0.02972	167.95	1147.1	979.2	907.4	1075.3	0.2939	1.4845	1.7784
201	11.77	23.95	33.01	.03030	168.95	1147.5	978.6	906.7	1075.6	.2954	1.4813	1.776
202	12.01	24.45	32.38	.03088	169.95	1147.9	977.9	906.0	1075.9	.2969	1.4782	1.7751
203	12.26	24.96	31.76	.03148	170.96	1148.3	977.3	905.3	1076.2	.2984	1.4750	1.7734
204	12.51	25.48	31.16	.03209	171.96	1148.7	976.7	904.5	1076.5	.3000	1.4718	1.7718
205	12.77	26.00	30.58	0.03271	172.97	1149.1	976.1	903.8	1076.8	0.3015	1.4687	1.7702
206	13.03	26.53	30.00	.03333	173.97	1149.4	975.5	903.1	1077.1	.3030		1.7685
207	13.30	27.07	29.44	.03397	174.98	1149.8	974.8		1077.3	.3045	1.4624	1.7669
208	13.57	27.62	28.89	.03461	175.98	1150.2	974.2	901.7	1077.6	.3060	1.4593	1.7653
209	13.84	28.18	28.35	.03527	176.99	1150.6		901.0	1077.9	.3075	1.4562	1.7637
210	14.12	28.75	27.83	0.03594	177.99	1151.0	973.0	900.3	1078.2	0.3090	1.4531	1.7621
211	14.41	29.33	27.32	.03661	179.0	1151.4	972.4	899.6	1078.5	.3105	1.4500	1.7605
212	14.70	29.92	26.81	.03730	180.0	1151.7		898.8	1078.8	.3120	1.4469	1.7589
213	14.99		26.32	.03800	181.0	1152.1	971.1	898.1	1079.1	.3135	1.4438	1.7573
214	15.29	••••	25.84	.03870	182.0	1152.5	970.5	897.4	1079.4	.3150	1.4408	1.7558
215	15.59		25.37	0.03942	183.0	1152.9	969.9	896.7	1079.6	0.3165	1.4377	1.7542
216	15.90		24.91	.04015	184.0	1153.3	969.3	896.0	1079.9	.3179		1.7526
217	16.22		24.46	.04089	185.0	1153.6	968.6	895.3	1080.2	.3194		1.7510
218	16.54		24.02	.04164	186.o	1154.0	968.o	894.5	1080.5	.3209		1.7495
219	16.86		23.58	.04241	187.0	1154.4	967.4	893.8	1080.8	.3224	1.4255	1.7479
220	17.19		23.16	0.04318	188.0	1154.8	966.8	893.1	1081.1	0.3239	1.4225	1.7464
221	17.52		22.75	.04396	189.0	1155.2	966.1	892.4	1081.3	-3254	1.4195	1.7449
222	17.86		22.35	.04476	190.1	1155.5	965.5	891.7	1081.6	.3268	1.4165	1.7433
223	18.21		21.95	.04557	191.1	1155.9	964.9	890.9	1081.9	.3283	1.4135	1.7418
224	18.56		21.56	.04639	192.1	1156.3	964.2	890.2	1082.2	.3298	1.4105	1.7403
225	18.92		21.18	0.04722	193.1	1156.6	963.6	889.5	1082.5	0.3313	1.4075	1.7388
226	19.28		20.81	.04807	194.1	1157.0	962.9	888.7	1082.7		1.4045	1.7372
227	19.65		20.44	.04892	195.1	1157.4	962.3	888.0	1083.0		1.4015	1.7357
228 229	20.02 20.40	••••	20.08	.04979 .05067	196.1	1157.7		887.3 886 c	1083.3	-3357	1.3986	1.7342 1.7327
							1	_	•		1	
230	20.78		19.39	0.05156	198.1	1158.5			1083.8			
231	21.17		19.06	.05247	199.1	1158.8			1084.1		1.3897	1.7297
232	21.57		18.73	.05339	200.I	1159.2			1084.4		1.3868	1.7282
233	21.97	• • • • •	18.41	.05432	201.1	1159.6			1084.7		1.3838	1.7268
234	22.38	••••	18.10	.05527	202.1	1159.9	957.8	882.9	1084.9	-3444	1.3809	1.7253
235	22.80		17.79	0.0562	203.1	1160.3			1085.2			
236	23.22		17.49	.0572	204.1	1160.6	J 50 0		1085.5		1.3751	
237	23.65		17.19	.0582	205.2	1161.0	, 500		1085.7	.3488	1.3721	1.7209
238 239	24.09	••••	16.90	.0592	206.2	1161.4			1086.0	.3502	1.3692 1.3664	1.7194
-	24.53	••••	16.61	.0602	207.2	1161.7	954.5					•
240 241	24.97		16.33	0.0612	208.2	1162.1	1 200 2	878.4	1086.5	0.3531	1.3635	1.7165
242	25.43		16.06	.0623	209.2	1162.4			1086.8		1.3606	
•	25.89	• • • • •	15.79	.0633	210.2	1162.8			1087.1		1.3577	1.7137
243 244	26.36 26.83	••••	15.53	.0644	211.2	1163.1			1087.3		1.3548 1.3520	1.7122
	40.07		15.27	.0655	212.2	1163.5	951.3	875.5	1087.6	.3500	4.3520	1.7108

Гетр.,	Pressure, lb. per	Volume, cu. ft.	Weight, lb. per		content 3.t.u.		t heat 3.t.u.	Energy		Entropy	
F.	sq. in.	per lb.	cu. ft.	of liquid	of vapor	of vapor- ization	Inter- nal	B.t.u.	of liquid	of vapor- ization	of vapo
t	p	₩"	I/ V "	i′	i*	r	ρ.	u'	8'	r/T	8,
245	27.31	15.02	0.0666	213.2	1163.8	950.6	874.7	1087.8	0.3603	1.3491	1.709
246	27.80	14.77	.0677	214.2	1164.2	949.9	874.0	1088.1	.3617	1.3463	1.708
247	28.30	14.53	.0688	215.2	1164.5	949.3	873.2	1088.4	.3631	1.3434	1.706
248	28.80	14.29	.0700	216.3	1164.9	948.6	872.5	1088.6	.3645	1.3406	1.705
249	29.31	14.06	.0711	217.3	1165.2	947.9	871.7	1088.9	.3660	1.3377	1.703
250	29.83	13.83	0.0723	218.3	1165.5	947-3	870.9	1089.1	0.3674	1.3349	1.702
251	30.36	13.61	.0735	219.3	1165.9	946.6	870.2	1089.4	.3688	1.3321	1.700
252	30.89	13.39	.0747	220.3	1166.2	945.9	869.4	1089.6	.3702	1.3293	1.699
253	31.43	13.17	.0759	221.3	1166.6	945.3	868.7	1089.9	-3717	1.3265	1.698
254	31.98	12.96	:0772	222.3	1166.9	944.6	867.9	1090.1	.3731	1.3237	1.696
255	32.54	12.75	0.0784	223.4	1167.2	943.9	867.2	1090.4	0.3745	1.3209	1.695
256	33.10	12.55	.0797	224.4	1167.6	943.2	866.4	1090.7	-3759	1.3181	1.694
257	33.67	12.35	.0810	225.4	1167.9	942.5	865.7	1090.9	-3773	1.3153	1.692
258	34.25	12.15	.0823	226.4	1168.3	941.9	864.9	1091.2	.3787	1.3125	1.691
259	34.84	11.96	.0836	227.4	1168.6	941.2	864.1	1091.4	.3801	1.3098	1.68
260	35.44	11.77	0.0849	228.4	1168.9	940.5	863.4	1091.7	0.3816	1.3070	1.688
261	36.04	11.59	.0863	229.4	1169.2	939.8	862.6	1091.9	.3830	1.3042	1.68
262	36.66	11.41	.0877	230.4	1169.6	939.2	861.8	1092.1	.3844	1.3015	1.68
263	37.28	11.23	0891	231.4	1169.9	938.5	861.1	1092.4	.3858	1.2987	1.68
264	37.91	11.05	.0905	232.5	1170.2	937.8	860.3	1092.6	.3872	1.2960	1.68
265	38.55	10.88	0.0919	233.5	1170.6	937.1	859.5	1092.9	0.3886	1.2932	1.68
266	39.19	10.71	.0934	234.5	1170.9	936.4	858.8	1093.1	.3900	1.2905	1.68
267	39.85	10.55	.0948	235.5	1171.2	935.7	858.0	1093.4	.3914	1.2878	1.679
268	40.51	10.39	.0963	236.5	1171.5	935.0	857.2	1093.6	.3928	1.2850	1.67
269	41.19	10.23	.0978	237.5	1171.9	934-3	856.5	1093.9	-3942	1.2823	1.67
270	41.87	10.07	0.0993	238.6	1172.2	933.6	855.7	1094.1	0.3956	1.2796	1.67
271	42.56	9.92	.1008	239.6	1172.5	932.9	854.9	1094.3	.3969	1.2769	1.67
272	43.26	9.77	.1024	240.6	1172.8	932.2	854.1	1094.6	.3983	1.2742	1.67
273 274	43.97 44.69	9.62 9.47	.1040	241.6 242.6	1173.1	931.5	853.3 852.6	1094.8	.3997	1.2715	1.67
275	1										1.66
	45.42	9.33	0.1072	243.7	1173.8	930.1	851.8	1095.3	0.4025	1.2661	
276	46.16	9.19	.1088	244.7	1174.1	929.4	851.0	1095.5	.4039	1.2634	1.66
277	46.91 47.67	9.05	.1105	245.7	1174.4	928.7	850.2	1095.8	.4052	1.2608	1.66
278 279	48.44	8.92 8.79	.1138	246.7 247.7	1174.7	928.0	849.4 848.7	1096.2	.4066	1.2581	1.66
280	49.22	8.66	0.1155	248.8	1175.3	926.6	847.9	1096.5	0.4094	1.2528	1.66
281	50.00	8.53	.1173	249.8	1175.6	925.8	847.1	1096.7	.4108	1.2501	1.66
282	50.80	8.40	.1190	250.8	1175.9	925.1	846.3	1096.9	.4121	1.2475	1.65
283	51.61	8.28	.1208	251.8	1176.2	924.4	845.5	1097.1	.4135	1.2448	1.65
284	52.43	8.16	.1226	252.8	1176.5	923.7	844.7	1097.4	.4159	1.2422	1.65
285	53.26	8:04	0.1244	253.9	1176.8	923.0	843.9	1097.6	0.4162	1.2396	
286	54.10	7.92	.1263	254.9	1177.1	922.3	843.1	1097.8	.4176	1.2369	1.65
287	54.95	7.80	.1281	255.9	1177.4		842.3	1098.0	.4190	1.2343	1.65
288	55.81	7.69	.1300	256.9	1177.7	920.8	841.5	1098.3	.4203	1.2317	
289	56.68	7.58	.1319	257.9	1178.0	920.1	840.7.	1098.5	.4217	1.2291	1.65
290	57.57	7.47	0.1339	259.0	1178.3	919.4	839.9	1098.7	0.4230	1.2265	
291	58.46	7.36	.1358	260.0	1178.6	918.6	839.1	1098.9	-4244	1.2238	
292	59.37	7.26	.1378	261.0	1178.9	917.9	838.3	1099.1	.4258	1.2212	1.64
29 3	60.28	7.15	.1398	262.0		917.2	837.5	1099.3	.4271	1.2186	1.64
294	61.21	7.05	.1418	263.1	1179.5	916.4	836.7	1099.6	.4285	1.2160	1.64
295	62.15	6.95	0.1439	264.1	1179.8	915.7	835.9	1099.8	0.4298	1.2135	1.64
296	63.10	6.85	-1459	265.1	1180.1	915.0	835.1	1100.0	.4312	1.2109	1.64
297	64.06	6.76	.1480	266.1	1180.3	914.2	834.3	1100.2	·4325	1.2083	
298	65.04	6.66	.1501	267.2	1180.6	913.5	833.5	1100.4	· 4 339	1.2057	
299	66.03	6.57	.1523	268.2	1180.9	912.7	832.6	1100.6	.4352	1.2032	1.638

\$00 6 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 100 32	d. per	cu. ft. per lb.			3.t.u.	in E		Energy		Entropy	
300 (6) 301 302 303 304 305 306 307 308 309 310 311 312 313 314 815 316 317 318 319 320 321 322 323 324 525 326 327 328 100 327 328 328 328 328 328 328 328 328 328 328			lb. per cu. ft.	of liquid	of vapor	of vapor- ization	Inter- nal	B.t.u.	of liquid	of vapor- ization	of vapor
301 302 303 304 305 305 306 307 308 309 310 311 312 313 314 8 315 316 317 318 319 320 321 322 323 324 325 326 327 328 100 327 328 328 328 328 328 328 328 328 328 328	p	▼*	1/4"	i'	i'	r	ρ	u"	*	r/T	<u>s'</u>
302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 327 328 328 327 328 327 328 328 327 328 328 329 329 329 320 321 321 322 323 324 325 326 327 328 329 329 320 321 321 322 323 324 325 326 327 328 329 329 320 321 321 322 323 324 325 326 327 328 329 329 320 320 320 320 320 320 320 320	67.0	6.48	0.1544	269.2	1181.2	912.0	831.8	1100.8	o.4366	1.2006	1.6372
303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 328	68.o	6.39	.1566	270.3	1181.5	911.2	831.0	1101.0	-4379	1.1980	1.6359
304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 327 328 328 327 328 328 327 328 327 328 328 329 329 329 329 329 329 329 329	69.1	6.30	.1588	271.3	8.1811	910.5	830.2	1101.2	-4393	1.1955	1.6347
305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 327 328 328 327 328 328 327 328 328 327 328 329 320 321 322 323 324 325 326 327 328 329 320 320 321 322 323 324 325 326 327 327 328 329 320 320 321 322 323 324 326 327 328 329 320 320 320 320 320 320 320 320	70.1	6.21	.1611	272.3	1182.0	909.7	829.4	1101.5	.4406	1.1929	1.6335
306 307 308• 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 328 328 328 327 328 328 328 328 327 328 328 328 329 320 321 322 323 324 325 326 327 328 328 328 329 329 320 320 321 322 323 324 325 326 327 328 328 329 329 320 320 320 320 320 320 320 320	71.1	6.12	.1633	273.3	1182.3	909.0	828.6	1101.7	.4420	1.1904	1.6323
307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 328 328 328 327 328 328 328 327 328 328 329 320 321 322 323 324 325 326 327 328 329 320 321 322 323 324 325 326 327 328 329 329 320 320 320 320 320 320 320 320	72.2	6.04	0.1656	274.4	1182.6	908.2	827.7	1101.9	0.4433	1.1878	1.6311
308	73-3	5.96	.1679	275.4	1182.8	907.4	826.9	1102.1	.4446	1.1853	1.6299
309 310 311 312 313 314 815 316 817 318 819 320 821 322 323 324 325 326 327 328 10	74-4	5.87	.1703	276.4	1183.1	906.7	826.1	1102.3	.4460	1.1827	1.6287
310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 328 327 328 328 327 328 328 327 328 329 321 321 322 323 324 325 326 327 327 328 329 329 329 329 329 329 329 329	75.5	5.79	.1726	277.5	1183.4	905.9	825.3	1102.5	·4473	1.1802	1.6275
311 312 8 313 314 8 8 315 8 8 317 318 8 8 319 8 8 320 8 321 322 323 324 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	76.6	5.71	.1750	278.5	1183.7	905.2	824.4	1102.7	.4487	1.1777	1.6263
312 8 8 313 314 8 8 315 8 8 317 8 8 318 319 8 320 8 321 322 323 324 5 326 327 328 10 3	77.7	5.63	0.1775	279.5	1183.9	904.4	823.6	1102.8	0.4500	1.1751	1.6251
313 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	78.8	5.56	.1799	280.5	1184.2	903.6	822.8	1103.0	.4513	1.1726	1.6239
314 8 315 8 316 8 317 8 318 8 319 8 320 8 321 9 322 9 323 324 9 325 9 326 9 327 9 328 10	80.0	5.48	.1824	281.6	1184.4	902.9	821.9	1103.2	-4527	1.1701	1.6228
315 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	81.1	5.41	.1849	282.6	1184.7	902.1	821.1	1103.4	.4540	1.1676	1.6216
316 8 8 317 8 8 318 8 8 319 8 8 320 8 321 322 323 324 5 325 326 327 328 10 328	82.3	5.34	.1874	283.6	1184.9	901.3	820.3	1103.6	-4553	1.1651	1.6204
317 8 8 8 319 8 8 320 8 321 322 323 324 5 325 326 327 328 10	83.5	5.26	0.1899	284.7	1185.2	900.5	819.4	1103.8	0.4566	1.1626	1.6192
318 8 8 319 8 320 8 321 322 323 324 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	84.7	5.19	.1925	285.7	1185.5	899.8	818.6	1104.0	.4580	1.1601	1.6181
319 8 320 8 321 9 322 9 323 324 9 325 9 326 9 327 9 328 10	85.9	5.12	.1951	286.7	1185.7	899.0	817.8	1104.2	·4593	1.1576	1.6169
320 8 321 9 322 9 323 324 9 325 9 326 9 327 9 328 10	87.1	5.06	.1978	287.8	1186.0	,898.2	816.9	1104.4	.4606	1.1551	1.6157
321 322 323 324 5325 326 327 328 16	88.4	4.99	.2005	288.8	1186.2	897.4	816.1	1104.6	.4619	1.1526	1.6146
322 323 324 325 326 327 328	89.7	4.922	0.2032	289.8	1186.5	896.7	815.2	1104.7	0.4633	1.1501	1.6134
323 324 325 326 327 328	90.9	4.857	.2059	290.9	1186.7	895.9	814.4	1104.9	.4646	1.1477	1.6122
324 9 325 9 326 9 327 9 328 10	92.2	4.793	.2086	291.9	1187.0	895.1	813.5	1105.1	.4659	1.1452	1.6111
325 326 327 328 10	93.5	4.730	.2114	292.9	1187.2	894.3	812.7	1105.3	.4672	1.1427	1.6099
326 327 328 10	94.8	4.668	.2142	294.0	1187.5	893.5	811.8	1105.5	.4685	1.1402	1.6088
327 G 328 I	96.2	4.607	0.2171	295.0	1187.7	892.7	811.0	1105.7	0.4698	1.1378	1.6076
328 10	97.5	4.547	.2199	296.0	1187.9	891.9	810.1	1105.8	.4711	1.1353	1.6065
- 1	98.9	4.487	.2228	297.1	1188.2	891.1	809.3	1106.0	.4725	1.1329	1.6053
329 1	00.3 01.6	4.429	.2258 .2287	298.1	1188.4	890.3 889.5	808.4	1106.2 1106.4	.4738	1.1304 1.1280	1.6042 1.6030
		4.372	.2207	299.2			807.6		.4751	1.1260	
	03.0	4.316	0.2317	300.2	1188.9	888.7	806.7	1106.5	0.4764	1.1255	1.6019
	04.5	4.260	.2348	301.2	1189.1	887.9	805.9	1106.7	-4777	1.1231	1.6008
	05.9	4.205	.2378 -	302.2	1189.3	887.1	805.0	1106.9	.4790	1.1206	1.5996
	08.8	4.151	.2409 .2440	303.3 304.3	1189.6 1189.8	886.3 885.5	804.1 803.3	1107.0	.4803 .4816	1.1182	1.5985
335	10.3	4.046	0.2472	305.4	1190.0	884.7	802.4	1107.4	0.4829	1.1133	1.5962
	111.8	3.994	.2504	306.4	1190.2	883.8	801.5	1107.5	.4842	1.1109	1.5951
337 11	13.3	3.943	.2536	307.4	1190.4	883.0	800.7	1107.7	.4855	1.1085	1.5940
338 11	14.9	3.893	.2568	308.5	1190.7	882.2	799.8	1107.9	.4868	1.1061	1.5929
339 11	16.4	3.844	.2601	309.5	1190.9	881.4	798.9	1108.0	.4881	1.1037	1.5918
340 II	18.0	3.796	0.2635	310.5	1191.1	880.6	798.o	1108.2	0.4894	1.1012	1.5906
	19.6	3.748	.2668	311.6	1191.3	879.7	797.2	1108.3	.4907	1.0988	1.5895
	21.2	3.701	.2702	312.6	1191.5	878.9	796.3	1108.5	.4920	1.0964	1.5884
	22.8	3.655	.2736	313.7	1191.7	878.1	795-4	1108.6	· 4 93 <u>3</u>	1.0940	1.5873
i	24.4	3.609	.2771	314.7	1191.9	877.2	794-5	1108.8	.4946	1.0916	1.5862
	26.1	3.564	0.2806	315.8	1192.1	876.4	793.6	1109.0	0.4959	1.0892	1.5851
	27.7	3.520	.2841 .2877	316.8	1192.3	875.6	792.7	1109.1	-497I	1.0868	1.5840
	31.1	3.476 3.433	.2077	317.8 318.9	1192.5	874.7 873.9	791.9 791.0	1109.2	.4984 .4997	1.0821	1.5818
- 1	32.8	3.391	.2949	319.9	1192.7	873.0	790.I	1109.4	.5010	1.0797	1.5807
350 I	34.6	3.349	0.2986	321.0	1193.1	872.2	789.2	1109.7	0.5023	1.0773	1.5796
	36.3	3.308	.3023	322.0	1193.3	871.3	788.3	1109.8	.5036	1.0749	1.5785
	38.1	3.268	.3060	323.I	1193.5	870.5	787.4	1110.0	.5048	1.0726	1.5774
	39.9	3.228	.3098	324.1	1193.7	869.6	786.5	1110.1	.5061	1.0702	1.5763
354 I	41.7	3.189	.3136	325.2	1193.9	868.8	785.6	1110.3	.5074	1.0678	1.5752

Temp.,	Pressure,	Volume, cu. ft.	Weight,		content 3.t.u.		nt heat 3.t.u.	Energy		Entropy	
• P.	lb. per sq. in.	per lb.	lb. per cu. ft.	of liquid	of vapor	of vapor- ization	Inter- nal	B.t.u.	of liquid	of vapor- ization	of vapor
t	p	▼*	1/4"	i'	i"	r	P	u'	a'	r/T	E"
355	143.5	3.150	0.3175	326.2	1194.1	867.9	784.7	1110.4	0.5087	1.0654	1.5741
356	145.4	3.112	.3214	327.2	1194.3	867.1	783.8	1110.5	.5099	1.0631	1.5730
357	147.2	3.074	-3253	328.3	1194.5	866.2	782.9	1110.7	.5112	1.0607	1.5719
358	149.1	3.037	.3293	329.3	1194.7	865.3	782.0	8.0111	.5125	1.0584	1.5709
359	151.0	3.000	-3333	330.4	1194.9	864.5	781.1	1110.9	.5138	1.0560	1.5698
360	153.0	2.964	0.3373	331.4	1195.0	863.6	780.2	1111.1	0.5150	1.0537	1.5687
361	154.9	2.929	.3414	332.5	1195.2	862.7	779.3	1111.2	.5163	1.0513	1.5676
362	156.9	2.894	.3456	333.5	1195.4	861.9	778.3	1111.3	.5176	1.0490	1.5666
363 364	160.8	2.859 2.825	.3498 .35 4 0	334.6 335.6	1195.6	861.0 860.1	777-4 776.5	1111.5	.5188	1.0467	1.5655 1.5644
365	162.9	2.792	0.3582	336.7	1195.9	859.2	775.6	1111.7	0.5214	1.0420	1.5634
366	164.9	2.759	.3625	337.7	1196.1	858.3	774.7	1111.8	.5226	1.0397	1.5623
367	167.0	2.726	.3668	338.8	1196.2	857.4	773.8	1112.0	.5239	1.0373	1.5612
368	169.0	2.694	.3712	339.8	1196.4	856.6	772.8	1112.1	.5252	1.0350	1.5602
369	171.1	2.662	.3756	340.9	1196.6	855.7	771.9	1112.2	.5264	1.0327	1.5591
370	173.2	2.631	0.3801	342.0	1196.7	854.8	771.0	1112.3	0.5277	1.0303	1.5580
371	175.4	2.600	.3846	343.0	1196.9	853.9	770.0	1112.4	.5289	1.0280	1.5570
372	177.6	2.570	.3891	344.I	1197.0	853.0	769.1	1112.6	.5302	1.0257	1.5559
373	179.8	2.540	∙3937	345.1	1197.2	852.1	768.2	1112.7	.5315	1.0234	1.5549
374	182.0	2.510	.3984	346.2	1197.3	851.2	767.2	1112.8	.5327	1.0211	1.5538
375	184.2	2.481	0.4031	347.2	1197.5	850.3	766.3	1112.9	0.5340	1.0188	1.5528
376	186.4	2.452	.4078	348.3	1197.6	849.4	765.4	1113.0	.5352	1.0165	1.5517
377	188.7	2.424	.4125	349.3	1197.8	848.5	764.4	1113.1	.5365	1.0142	1.5507 1.5496
378 379	191.0	2.396 2.368	.4173 .4222	351.4	1197.9	847.5 846.6	763.5 762.5	1113.2	·5377 ·5390	1.0096	1.5486
380	195.6	2.341	0.4271	352.5	1198.2	845.7	761.6	1113.4	0.5402	1.0073	1.5475
381	198.0	2.314	.4321	353.6	1198.3	844.8	760.6	1113.5	.5415	1.0050	1.5465
382	200.3	2.288	.4371	354.6	1198.5	843.9	759.7	11,13.6	.5427	1.0027	1.5454
383	202.7	2.262	.4421	355.7	1198.6	842.9	758.7	1113.7	-5440	1.0004	1.5444
384	205.1	2.236	-4472	356.7	1198.7	842.0	757.8	1113.8	.5452	0.9981	1.5433
385	207.6	2.211	0.4523	357.8	1198.9	841.1	756.8	1113.9	0.5465	0.9958	1.5423
386	210.0	2.186	4575	358.8	1199.0	840.2	755-9	1114.0	-5477	.9936	1.5413
387	212.5	2.161	.4627	359.9	1199.1	839.2	754-9	1114.1	.5489	.9913	1.5402
388 389	215.0	2.137 2.113	.4680 -4733	361.0 362.0	1199.2	838.3 837.3	753·9 753·0	1114.2 1114.2	.5502 .5514	.9890 .9867	1.5392 1.5381
890	220.1	2.089	0.4787	363.1	1199.5	836.4	752.0	1114.3	0.5526	0.9845	1.5371
391	222.7	2.065	.4841	364.2	1199.6	835.4	751.0	1114.4	-5539	.9822	1.5361
392	225.3	2.042	.4896	365.2	1199.7	834.5	750.1	1114.5	.5551	.9799	1.5351
393	228.0	2.019	.4951	366.3	1199.8	833.5	749.I	1114.6	.5564	-9777	1.5340
394	230.6	1.987	.5007	367.3	1199.9	832.6	748.1	1114.7	.5576	-9754	1.5330
395	233.3	1.975	0.5063	368.4	1 200.0	831.6	747.1	1114.7	0.5588		
396	236.0	1.953	.5120	369.5	1200.1	830.7	.746.2	1114.8	.5601	.9709	1.5310
397	238.7	1.931	.5178	370.5	1200.2	829.7	745.2	1114.9	.5613	.9686	1.5299
398	241.4	1.910	.5236	371.6	1200.3	828.7	744.2	1115.0	.5625	.9664	1.5289
399	244.2	1.889	.5294	372.7	1200.4	827.7	743.2	1115.0	.5638	.9641	1.5279
400 405	247.0 261.3	1.868 1.768	0.535 .566	373·7	1200.5	826.8 821.9	742.2	1115.1	0.5650	0.9619	1.5269
410	276.3	1.675	.500	379.1 384.4	1201.4	817.0	737·3 732·3	1115.4	.5772	.9395	1.5167
415	292.0	1.587	.630	389.8	1201.7	812.0	727.2	1115.9	.5833	.9393	1.5117
420	308.3	1.504	.664	395.1	1202.0	806.9	722.1	1116.1	.5894	.9173	1.5067
425	325.4	1.427	0.701	400.5	1202.2	801.7	716.9	1116.3	0.5954	0.9063	1.5017
430	343.1	1.354	·739	405.9	1202.4	796.5	711.7	1116.4	.6014	.8953	1.4967
435	361.6	1.285	.778	411.4	1202.5	791.2	706.4	1116.5	.6074	.8844	1.4918
440	380.9	1.221	.819	416.8	1202.6	785.8	701.1	1116.5	.6134	.8735	1.4868
445	400.9	1.160	.862	422.2	1202.5	780.3	695.7	1116.5	.6193	.8626	1.4819

Temp.,	Pressure,	Volume,	Weight,		content B.t.u.		t heat l.t.u.	Energy		Entropy	
• F.	sq. in.	per lb.	cu. ft.	of liquid	of vapor	of vapor- ization	Inter- nal	B.t.u.	of liquid	of vapor- ization	of vapor
t	P	▼"	1/4"	i′	i*	r	ρ	u'	8'	r/T	8"
450	421.7	1.102	0.907	427.7	1202.5	774.8	690.2	1116.4	0.6252	0.8518	1.4770
455	443-4	1.048	0.954	433.2	1202.3	769.1	684.7	1116.2	.6311	.8410	1.4721
460	465.9	0.997	1.003	438.7	1202.1	763.4	679.1	1116.1	.6370	.8302	1.4672
465	489.2	-949	1.054	444.2	1201.8	757.6	673.5	1115.8	.6429	.8194	1.4623
470	513.5	.903	1.107	449.7	1201.5	751.8	667.8	1115.5	.6488	.8087	1.4575
475	538.7	0.860	1.162	455.2	1201.0	745.8	662.0	1115.2	0.6546	0.7980	1.4526
480	564.8	.820	1.220	460.8	1200.6	739.8	656.2	1114.8	.6604	.7873	1.4478
485	591.9	.781	1.280	466.4	1200.0	733.6	650.3	1114.4	.6662	.7767	1.4429
490	619.9	.744	1.343	472.0	1199.4	727.4	644.3	1113.9	.6720	.7660	1.4380
495	649.0	.710	1.409	477.6	1198.7	721.1	638.2	1113.4	.6778	∙7554	1.4332
500	679	0.677	1.477	483.2	1197.9	714.7	632.1	1112.8	0.684	0.7448	1.4283
510	743	.616	1.62	494.6	1196.2	701.6	619.7	1111.4	.695	.724	1.419
520	810	.561	1.78	506.1	1194.1	688.o	606.9	1109.8	.707	.702	1.400
530	883	.512	1.95	517.7	1191.7	674.0	593.8	0.8011	.718	.681	1.399
540	96ŏ	.468	2.14	529.4	1189.0	659.7	580.4	1105.9	.729	.660	1.389
550	1043	0.427	2.34	541.2	1186.0	644.8	566.6	1103.6	0.741	0.639	1.379
560	1131	.390	2.56	553.2	1182.7	629.5	552.6	1101.0	.752	.617	1.369
570	1224	·357	2.80	565.5	1178.9	613.4	538.4	1098.0	.764	.596	1.360
580	1323	.326	3.07	578.2	1174.6	596.4	522.2	1094.8	.776	.574	1.350
590	1429	.298	3.36	591.1	1169.7	578.6	506.0	1091.0	.789	.551	1.340
600	1540	0.272	3.68	604.5	1164.2	559.7	488.9	1086.7	0.801	0.528	1.330
610	1659	.248	4.04	618	1158	540	471	1082		.505	
620	1784	.226	4.43	633	1151	518	452	1077		.480	
630	1917	.205	4.88	648	1143	495	431	1071		.455	
640	2057	.186	5.38	664	1134	470	409	1064		.428	
650	2205	0.168	5.95	681	1124	443	385	1056		0.399	
660	2361	.151	6.6	700	11124	443	305 358	1050		.368	• • • • •
670	2526	.134	7.4	721	1008	377	327	1047		- 1	• • • • •
68o	2699	.118	8.5	745	1080	335	290	1030		·333 ·294	
690	2882	.101	9.9	745 776	1056	280 I	243	1021		.244	
700	3075	.080	12:5	820	1018	198	243 171	972		.170	
700 0		•									-
706.3	3200	0.048	20.9	921	921	0	0	893		•	• • • • •

Pres- sure		1 [101.8]			2 [126.1]			3 [141.5]			4 [153-0]	
Temp F.	٧	8	i	▼	8	i	▼		i	▼		i
Sat.	333.3	1.9775	1105.4	173.6	1.9203	1116.2	118.7	1.8871	1122.9	90.6	1.8637	1127.9
150	362.2	2.0160	1127.9	180.8	1.9390	1127.4	120.4	1.8937	1126.9			
160	368.2	2.0236	1132.5	183.8	1.9466	1132.1	122.4	1.9013	1131.6	91.7	1.8691	1131.2
170 180	374-2	2.0310	1137.1	186.8	1.9540	1136.7	124.4	1.9088	1136.3	93.2	1.8766	1135.9
190	380.1 386.1	2.0454	1141.7	192.8	1.9685	1146.0	128.4	1.9161	1140.9	94.7 96.2	1.8840	1140.5
200	392.1	2.0524	1150.9	195.8	1.9756	1150.6	130.4	1.9304	1150.2	97.7	1.8984	1149.9
210	398.1	2.0593	1155.5	198.8	1.9825	1155.2	132.4	1.9374	1154.9	99.2	1.9054	1154.5
220	404.0	2.0661	1160.1	201.8	1.9894	1159.8	134.4	1.9443	1159.5	100.8	1.9123	1159.2
230	410.0	2.0728	1164.7	204.8	1.9961	1164.4	136.4	1.9511	1164.1	102.3	1.9190	1163.8
240	416.0	2.0794	1169.3	207.8	2.0027	1169.0	138.5	1.9577	1168.7	103.8	1.9257	1168.5
250	421.9	2.0859	1173.8	210.8	2.0092	1173.6	140.5	1.9643	1173.3	105.3	1.9323	1173.1
260	427.9	2.0923	1178.4	213.8	2.0156	1178.2	142.5	1.9707	1177.9	106.8	1.9387	1177.7
270	433.9	2.0986	1183.0	216.8	2.0220	1182.8	144.5	1.9770	1182.5	108.3	1.9451	1182.3
280	439.8	2.1048	1187.6	219.8	2.0282	1187.4	146.4	1.9833	1187.1	109.8	1.9514	1186.9
290	445.8	2.1110	1192.1	222.8	2.0343	1191.9	148.4	1.9895	1191.7	111.3	1.9576	1191.5
300	451.7	2.1170	1196.7	225.8	2.0404	1196.5	150.4	1.9956	1196.3	112.8	1.9637	1196.1
310	457.7	2.1230	1201.3	228.8	2.0464	1201.1	152.4	2.0016	1200.9	114.3	1.9697	1 200.7
320	463.6	2.1289	1205.9	231.8	2.0523	1205.7	154.4	2.0075	1205.5	115.8	1.9756	1205.3
330	469.6	2.1348	1210.5	234.7	2.0582	1210.3	156.4	2.0133	1210.1	117.3	1.9814	1209.9
340	475.5	2.1406	1215.1	237.7	2.0640	1214.9	158.4	2.0191	1214.7	118.8	1.9872	1214.6
350	481.5	2.1463	1219.6	240.7	2.0697	1219.5	160.4	2.0249	1219.3	120.3	1.9930	1219.2
400	511.3	2.1738	1242.6	255.6	2.0973	1242.5	170.4	2.0526	1242.4	127.7	2.0207	1242.2
450	541.1	2.2000	1265.7	270.5	2.1235	1265.6	180.3	2.0788	1265.5	135.2	2.0470	1265.4
500	570.8	2.2248	1289.0	285.4	2.1484	1288.9	190.2	2.1036	1288.8	142.7	2.0719	1288.7
550	600.6	2.2486	1312.4	300.3	2.1722	1312.3	200.2	2.1274	1312.3	150.1	2.0957	1312.2
		5 [162.3]			6			7 [176.8]			8 [182.9]	
		5 [162.3]			6 [170.1]			7 [176.8]	,		8 [182.9]	
Sat.	73.5	[162.3]	1131.7	62.0	1.8308	1135.0	53.7	1.8184	1137.8	47-4		1140.3
180	75.7	[162.3] 1.8456 1.8589	1140.1	63.0	[170.1] 1.8308 1.8383	1139.7	53.9	1.8184	1137.8		[182.9] 1.8077	
		[162.3]			1.8308			1.8184	1137.8		[182.9]	1140.3
180	75.7	[162.3] 1.8456 1.8589	1140.1	63.0	[170.1] 1.8308 1.8383	1139.7	53.9	[176.8] 1.8184 1.8208 1.8282 1.8354	1137.8 1139.3 1144.1 1148.8		[182.9] 1.8077	
180 190	75·7 76.9	[162.3] 1.8456 1.8589 1.8662	1140.1 1144.8	63.0 64.0	[170.1] 1.8308 1.8383 1.8456	1139.7	53.9 54.8	[176.8] 1.8184 1.8208 1.8282	1137.8 1139.3 1144.1 1148.8	 47-9	[182.9] 1.8077 1.8130	1143.7
180 190 200	75.7 76.9 78.1	[162.3] 1.8456 1.8589 1.8662 1.8734	1140.1 1144.8 1149.5	63.0 64.0 65.0	[170.1] 1.8308 1.8383 1.8456 1.8528	1139.7 1144.5 1149.2	53.9 54.8 55.7	[176.8] 1.8184 1.8208 1.8282 1.8354	1137.8 1139.3 1144.1	47.9 48.7	[182.9] 1.8077 1.8130 1.8202	1143.7 1148.4 1153.2 1157.9
180 190 200 210	75.7 76.9 78.1 79.3 80.5 81.7	1.8456 1.8589 1.8662 1.8734 1.8804 1.8873 1.8941	1140.1 1144.8 1149.5 1154.2 1158.9 1163.5	63.0 64.0 65.0 66.0 67.0 68.1	[170.1] 1.8308 1.8383 1.8456 1.8528 1.8599 1.8668 1.8737	1139.7 1144.5 1149.2 1153.9 1158.5 1163.2	53·9 54·8 55·7 56.6	[176.8] 1.8184 1.8208 1.8282 1.8354 1.8425 1.8495 1.8563	1137.8 1139.3 1144.1 1148.8 1153.5 1158.2 1162.9	47.9 48.7 49.4	[182.9] 1.8077 1.8130 1.8202 1.8274 1.8344 1.8412	1143.7 1148.4 1153.2 1157.9 1162.6
180 190 200 210 220	75.7 76.9 78.1 79.3 80.5	[162.3] 1.8456 1.8589 1.8662 1.8734 1.8804 1.8873	1140.1 1144.8 1149.5 1154.2 1158.9	63.0 64.0 65.0 66.0 67.0	[170.1] 1.8308 1.8383 1.8456 1.8528 1.8599 1.8668	1139.7 1144.5 1149.2 1153.9 1158.5	53·9 54·8 55·7 56·6 57·4	[176.8] 1.8184 1.8208 1.8282 1.8354 1.8425 1.8495	1137.8 1139.3 1144.1 1148.8 1153.5 1158.2	47.9 48.7 49.4 50.2	[182.9] 1.8077 1.8130 1.8202 1.8274 1.8344 1.8412 1.8480	1143.7 1148.4 1153.2 1157.9 1162.6 1167.3
180 190 200 210 220 230	75.7 76.9 78.1 79.3 80.5 81.7	1.8456 1.8589 1.8662 1.8734 1.8804 1.8873 1.8941	1140.1 1144.8 1149.5 1154.2 1158.9 1163.5	63.0 64.0 65.0 66.0 67.0 68.1	[170.1] 1.8308 1.8383 1.8456 1.8528 1.8599 1.8668 1.8737	1139.7 1144.5 1149.2 1153.9 1158.5 1163.2	53.9 54.8 55.7 56.6 57.4 58.3	[176.8] 1.8184 1.8208 1.8282 1.8354 1.8425 1.8495 1.8563	1137.8 1139.3 1144.1 1148.8 1153.5 1158.2 1162.9	47.9 48.7 49.4 50.2 51.0	[182-9] 1.8077 1.8130 1.8202 1.8274 1.8344 1.8412 1.8480 1.8547	1143.7 1148.4 1153.2 1157.9 1162.6 1167.3
180 190 200 210 220 230 240	75.7 76.9 78.1 79.3 80.5 81.7 83.0	1.8456 1.8589 1.8662 1.8734 1.8804 1.8873 1.8941 1.9008	1140.1 1144.8 1149.5 1154.2 1158.9 1163.5 1168.2	63.0 64.0 65.0 66.0 67.0 68.1	[170.1] 1.8308 1.8383 1.8456 1.8528 1.8599 1.8668 1.8737 1.8804	1139.7 1144.5 1149.2 1153.9 1158.5 1163.2 1167.9	53.9 54.8 55.7 56.6 57.4 58.3 59.2	1.8184 1.8208 1.8282 1.8354 1.8425 1.8495 1.8563 1.8631	1137.8 1139.3 1144.1 1148.8 1153.5 1158.2 1162.9 1167.6	47.9 48.7 49.4 50.2 51.0	[182.9] 1.8077 1.8130 1.8202 1.8274 1.8344 1.8412 1.8480	1143.7 1148.4 1153.2 1157.9 1162.6 1167.3
180 190 200 210 220 230 240	75.7 76.9 78.1 79.3 80.5 81.7 83.0	[162.3] 1.8456 1.8589 1.8662 1.8734 1.8804 1.8873 1.8941 1.9008	1140.1 1144.8 1149.5 1154.2 1158.9 1163.5 1168.2	63.0 64.0 65.0 66.0 67.0 68.1 69.1	[170.1] 1.8308 1.8383 1.8456 1.8528 1.8599 1.8668 1.8737 1.8804 1.8870	1139.7 1144.5 1149.2 1153.9 1158.5 1163.2 1167.9	53.9 54.8 55.7 56.6 57.4 58.3 59.2 60.0	1.8184 1.8208 1.8282 1.8354 1.8425 1.8495 1.8563 1.8631	1137.8 1139.3 1144.1 1148.8 1153.5 1158.2 1162.9 1167.6	47.9 48.7 49.4 50.2 51.0 51.7	[182-9] 1.8077 1.8130 1.8202 1.8274 1.8344 1.8412 1.8480 1.8547	1148.4 1153.2 1157.9 1162.6 1167.3 1172.0 1176.7 1181.3
180 190 200 210 220 230 240 250 260	75.7 76.9 78.1 79.3 80.5 81.7 83.0 84.2 85.4 86.6 87.8	[162.3] 1.8456 1.8589 1.8662 1.8734 1.8804 1.8941 1.9008 1.9074 1.9139	1140.1 1144.8 1149.5 1154.2 1158.9 1163.5 1168.2	63.0 64.0 65.0 66.0 67.0 68.1 69.1	[170.1] 1.8308 1.8383 1.8456 1.8528 1.8599 1.8668 1.8737 1.8804 1.8870 1.8935	1139.7 1144.5 1149.2 1153.9 1158.5 1163.2 1167.9	53.9 54.8 55.7 56.6 57.4 58.3 59.2 60.0 60.9	[176.8] 1.8184 1.8288 1.8354 1.8425 1.8425 1.8563 1.8631 1.8697 1.8762	1137.8 1139.3 1144.1 1148.8 1153.5 1158.2 1162.9 1167.6	47-9 48-7 49-4 50-2 51-0 51-7	[1829] 1.8077 1.8130 1.8202 1.8274 1.8412 1.8480 1.8547 1.8613 1.8677 1.8740	1143.7 1148.4 1153.2 1157.9 1162.6 1167.3 1172.0 1176.7 1181.3 1186.0
180 190 200 210 220 230 240 250 260 270	75.7 76.9 78.1 79.3 80.5 81.7 83.0 84.2 85.4 86.6	[162.3] 1.8456 1.8589 1.8662 1.8734 1.8804 1.8873 1.8941 1.9008 1.9074 1.9139 1.9202	1140.1 1144.8 1149.5 1154.2 1158.9 1163.5 1168.2 1172.8 1177.4 1182.1	63.0 64.0 65.0 66.0 67.0 68.1 69.1 70.1 71.1 72.1	[170.1] 1.8308 1.8383 1.8456 1.8528 1.8599 1.8668 1.8737 1.8804 1.8870 1.8993 1.8999	1139.7 1144.5 1149.2 1153.9 1158.5 1163.2 1167.9 1172.5 1177.2 1181.8	53-9 54-8 55-7 56.6 57-4 58-3 59-2 60.0 60.9 61.8	[176.8] 1.8184 1.8208 1.8282 1.8354 1.8495 1.8495 1.8563 1.8631 1.8697 1.8762 1.8826	1137.8 1139.3 1144.1 1148.8 1153.5 1158.2 1162.9 1167.6 1172.3 1176.9 1181.6	47.9 48.7 49.4 50.2 51.0 51.7 52.5 53.3 54.0	[1829] 1.8077 1.8130 1.8202 1.8274 1.8344 1.8412 1.8480 1.8547 1.8613 1.8677	1148.4 1153.2 1157.9 1162.6 1167.3 1172.0 1176.7 1181.3
180 190 200 210 220 230 240 250 260 270 280	75.7 76.9 78.1 79.3 80.5 81.7 83.0 84.2 85.6 87.8	[162.3] 1.8456 1.8589 1.8662 1.8734 1.8804 1.8873 1.8941 1.9008 1.9074 1.9139 1.9202 1.9265 1.9327	1140.1 1144.8 1149.5 1154.2 1158.9 1163.5 1168.2 1172.8 1177.4 1182.1 1186.7 1191.3	63.0 64.0 65.0 66.0 67.0 68.1 70.1 72.1 73.1 73.1	[170.1] 1.8308 1.8383 1.8456 1.8528 1.8599 1.8668 1.8737 1.8804 1.8870 1.8935 1.8999 1.9062 1.9124	1139.7 1144.5 1149.2 1153.9 1158.5 1167.9 1172.5 1177.2 1181.8 1186.5 1191.1	53.9 54.8 55.7 56.6 57.4 58.3 59.2 60.0 60.9 61.8 62.6 63.5	[176.8] 1.8184 1.8208 1.8282 1.8354 1.8495 1.8563 1.8697 1.8762 1.8826 1.8895 1.8952	1137.8 1139.3 1144.1 1148.8 1153.5 1158.2 1162.9 1167.6 1172.3 1176.9 1181.6 1186.2 1190.9	47.9 48.7 49.4 50.2 51.0 51.7 52.5 53.3 54.8 55.5	[1829] 1.8077 1.8130 1.8202 1.8274 1.8412 1.8480 1.8547 1.8613 1.8677 1.8740	1143.7 1148.4 1153.2 1157.9 1162.6 1167.3 1172.0 1176.7 1181.3 1186.0
180 190 210 220 230 240 250 260 270 280 290	75.7 76.9 78.1 79.3 80.5 81.7 83.0 84.2 85.4 86.6 87.8 89.0	[162.3] 1.8456 1.8589 1.8662 1.8734 1.8804 1.8873 1.8941 1.9008 1.9074 1.9139 1.9202 1.9265 1.9327	1140.1 1144.8 1149.5 1154.2 1158.9 1163.5 1168.2 1172.8 1177.4 1182.1 1186.7 1191.3	63.0 64.0 65.0 66.0 67.0 68.1 70.1 71.1 72.1 73.1 74.1	[170.1] 1.8308 1.8383 1.8456 1.8528 1.8599 1.8668 1.8737 1.8804 1.8935 1.8999 1.9062 1.9124 1.9185	1139.7 1144.5 1149.2 1153.9 1158.5 1167.9 1172.5 1177.2 1181.8 1186.5 1191.1	53.9 54.8 55.7 56.6 57.4 58.3 59.2 60.0 60.9 61.8 62.6 63.5 64.4	[176.8] 1.8184 1.8208 1.8282 1.8354 1.8495 1.8563 1.8697 1.8762 1.8826 1.8890 1.8952	1137.8 1139.3 1144.1 1148.8 1153.5 1158.2 1162.9 1167.6 1172.3 1181.6 1181.6	47.9 48.7 49.4 50.2 51.0 51.7 52.5 53.3 54.0 54.8 55.5	[1829] 1.8077 1.8130 1.8202 1.8274 1.8344 1.8412 1.8480 1.8547 1.8613 1.8677 1.8740 1.8802	1148.4 1153.2 1157.9 1162.6 1167.3 1172.0 1176.7 1181.3 1186.0 1190.7
180 190 210 220 230 240 250 260 270 280 290 300 310	75.7 76.9 78.1 79.3 80.5 81.7 83.0 84.2 85.4 86.6 87.8 89.0	[162.3] 1.8456 1.8589 1.8662 1.8734 1.8804 1.8873 1.8941 1.9008 1.9074 1.9139 1.9202 1.9265 1.9327	1140.1 1144.8 1149.5 1154.2 1158.9 1163.9 1168.2 1172.8 1177.4 1182.1 1186.7 1191.3	63.0 64.0 65.0 66.0 67.0 68.1 70.1 72.1 73.1 74.1 75.1 76.1	[170.1] 1.8308 1.8383 1.8456 1.8528 1.8599 1.8668 1.8737 1.8804 1.8870 1.8935 1.8999 1.9062 1.9124 1.9185 1.9246	1139.7 1144.5 1149.2 1153.9 1153.5 1167.9 1172.5 1181.8 1186.5 1191.1	53.9 54.8 55.7 56.6 57.4 58.3 59.2 60.0 60.9 61.8 62.6 63.5	[176.8] 1.8184 1.8208 1.8282 1.8354 1.8495 1.8495 1.8563 1.8637 1.8762 1.8826 1.8890 1.8952 1.9013	1137.8 1139.3 1144.1 1148.8 1153.5 1162.9 1167.6 1172.3 1176.9 1181.6 1186.2 1190.9	47.9 48.7 49.4 50.2 51.0 51.7 52.5 53.3 54.0 54.8 55.5	[1829] 1.8077 1.8130 1.8202 1.8274 1.8344 1.8412 1.8480 1.8547 1.8613 1.8677 1.8740 1.8802 1.8864 1.8925	1143.7 1148.4 1153.2 1157.9 1162.6 1167.3 1172.0 1176.7 1181.3 1186.0 1190.7
180 190 210 220 230 240 250 260 270 280 290 310 320	75.7 76.9 78.1 79.3 80.5 81.7 83.0 84.2 85.4 86.6 87.8 89.0	[162.3] 1.8456 1.8589 1.8662 1.8734 1.8804 1.8873 1.8941 1.9008 1.9074 1.9139 1.9202 1.9265 1.9327	1140.1 1144.8 1149.5 1154.2 1158.9 1163.5 1168.2 1172.8 1177.4 1182.1 1186.7 1191.3	63.0 64.0 65.0 66.0 67.0 68.1 70.1 71.1 72.1 73.1 74.1	[170.1] 1.8308 1.8383 1.8456 1.8528 1.8599 1.8668 1.8737 1.8804 1.8935 1.8999 1.9062 1.9124 1.9185	1139.7 1144.5 1149.2 1153.9 1153.5 1167.9 1172.5 1181.8 1186.5 1191.1	53.9 54.8 55.7 56.6 57.4 58.3 59.2 60.0 60.9 61.8 62.6 63.5 64.4 65.2	[176.8] 1.8184 1.8208 1.8282 1.8354 1.8495 1.8563 1.8697 1.8762 1.8826 1.8890 1.8952	1137.8 1139.3 1144.1 1148.8 1153.5 1158.2 1162.9 1167.6 1172.3 1176.9 1181.6 1186.2 1190.9	47.9 48.7 49.4 50.2 51.0 51.7 52.5 53.3 54.0 54.8 55.5	[1829] 1.8077 1.8130 1.8202 1.8274 1.8344 1.8412 1.8480 1.8547 1.8613 1.8677 1.8740 1.8802 1.8864	1143.7 1148.4 1153.2 1157.3 1162.6 1167.3 1172.0 1176.7 1181.3 1186.0 1190.7
180 190 210 220 230 240 250 260 270 280 290 300 310	75.7 76.9 78.1 79.3 80.5 83.0 84.2 85.6 86.6 87.8 89.0 90.2 91.4	[162.3] 1.8456 1.8589 1.8662 1.8734 1.8804 1.8873 1.9908 1.9074 1.9139 1.9202 1.9265 1.9327	1140.1 1144.8 1149.5 1154.2 1158.9 1163.5 1168.2 1172.8 1177.4 1182.1 1186.7 1191.3	63.0 64.0 65.0 66.0 67.0 68.1 70.1 72.1 73.1 74.1 75.1 76.1 77.1	[170.1] 1.8308 1.8383 1.8456 1.8528 1.8599 1.8668 1.8737 1.8804 1.8935 1.8999 1.9062 1.9124 1.9185 1.9246 1.9306	1139.7 1144.5 1149.2 1153.9 1158.5 1167.9 1172.5 1177.2 1181.8 1186.5 1191.1	53.9 54.8 55.7 56.6 57.4 58.3 59.2 60.0 61.8 62.6 63.5 64.4 65.2 66.1	[176.8] 1.8184 1.8208 1.8354 1.8425 1.8563 1.8697 1.8762 1.8890 1.8952 1.9013 1.9074 1.9134	1137.8 1139.3 1144.1 1148.8 1153.5 1158.2 1162.9 1167.6 1172.3 1176.9 1186.2 1190.9	47.9 48.7 49.4 50.2 51.0 51.7 52.5 53.3 54.8 55.5 56.3 57.0 57.8	[1829] 1.8077 1.8130 1.8202 1.8274 1.8344 1.8412 1.8480 1.8547 1.8613 1.8677 1.8740 1.8802 1.8864 1.8925 1.8985	1143.7 1148.4 1153.2 1157.9 1162.6 1167.3 1172.0 1176.7 1181.3 1186.0 1190.7
180 190 210 220 230 240 250 260 270 280 290 310 320 330	75.7 76.9 78.1 79.3 80.5 81.7 83.0 84.2 85.4 86.6 87.8 89.0 90.2 91.4 92.6 93.8	[162.3] 1.8456 1.8589 1.8662 1.8734 1.8804 1.8873 1.9908 1.9074 1.9139 1.9202 1.9265 1.9327 1.9389 1.9449 1.9568	1140.1 1144.8 1149.5 1154.2 1158.9 1163.5 1168.2 1172.8 1177.4 1182.1 1186.7 1191.3	63.0 64.0 65.0 66.0 67.0 68.1 70.1 72.1 73.1 74.1 75.1 76.1 77.1 78.1	[170.1] 1.8308 1.8383 1.8456 1.8528 1.8599 1.8668 1.8737 1.8804 1.8870 1.8935 1.9062 1.9124 1.9185 1.9246 1.9366 1.9365	1139.7 1144.5 1149.2 1153.9 1158.5 1163.2 1167.9 1172.5 1177.2 1181.8 1186.5 1191.1	53.9 54.8 55.7 56.6 57.4 58.3 59.2 60.0 60.9 61.8 62.6 63.5 64.4 65.2 66.1 66.9	[176.8] 1.8184 1.8208 1.8282 1.8354 1.8425 1.8495 1.8563 1.8631 1.8697 1.8762 1.8820 1.8952 1.9013 1.9073 1.9073 1.913	1137.8 1139.3 1144.1 1148.8 1153.5 1158.2 1162.9 1167.6 1172.3 1176.9 1186.2 1190.9 1195.5 1200.1 1204.8 1209.4	47.9 48.7 49.4 50.2 51.0 51.7 52.5 53.3 54.8 55.5 56.3 57.8 57.8 58.6	[1829] 1.8077 1.8130 1.8202 1.8274 1.8344 1.8412 1.8480 1.8547 1.8613 1.8677 1.8740 1.8864 1.8925 1.8985 1.9044	1143.7 1148.4 1153.2 1157.9 1162.6 1167.3 1172.0 1176.7 1181.3 1186.0 1190.7 1199.9 1204.6 1209.2
180 190 210 220 230 240 250 260 270 280 290 310 320 330 340	75.7 76.9 78.1 79.3 80.5 81.7 83.0 84.2 85.6 87.8 89.0 90.2 91.4 92.6 93.8 95.0	[162.3] 1.8456 1.8589 1.8662 1.8734 1.8804 1.8873 1.8941 1.9008 1.9074 1.9139 1.9202 1.9265 1.9327 1.9389 1.9449 1.9509 1.9568 1.9626	1140.1 1144.8 1149.5 1154.2 1158.9 1163.9 1168.2 1172.8 1177.4 1182.1 1186.7 1191.3 1195.9 1200.5 1209.8 1214.4	63.0 64.0 65.0 66.0 68.1 70.1 72.1 73.1 74.1 75.1 76.1 77.1 78.1 79.1	[170.1] 1.8308 1.8383 1.8456 1.8528 1.8599 1.8668 1.8737 1.8804 1.8870 1.8935 1.8999 1.9062 1.9124 1.9185 1.9246 1.9306 1.9365 1.9423 1.9480	1139.7 1144.5 1149.2 1153.9 1153.5 1167.9 1172.5 1181.8 1186.5 1191.1 1195.7 1200.3 1205.0 1214.2	53.9 54.8 55.7 56.6 57.4 58.3 59.2 60.9 61.8 62.6 63.5 64.4 65.2 66.9 67.8	[176.8] 1.8184 1.8208 1.8282 1.8354 1.8425 1.8495 1.8563 1.8637 1.8762 1.88890 1.8952 1.9013 1.9074 1.9193 1.9252	1137.8 1139.3 1144.1 1148.8 1153.5 1158.2 1162.9 1167.6 1172.3 1176.9 1181.6 1186.2 1190.9 1195.5 1200.1 1204.8 1214.1	47.9 48.7 49.4 50.2 51.0 51.7 52.5 53.3 54.0 54.8 55.5 56.3 57.8 58.6 59.3	[1829] 1.8077 1.8130 1.8202 1.8274 1.8344 1.8412 1.8480 1.8547 1.8613 1.8677 1.8740 1.8802 1.8864 1.8925 1.8985 1.9044 1.9103	1143.7 1148.4 1153.2 1157.9 1162.6 1167.3 1172.0 11781.3 1186.0 1190.7 1199.9 1204.6 1209.2 1213.9 1218.5 1241.7
180 190 210 220 240 250 260 270 280 290 310 320 330 340 350	75.7 76.9 78.1 79.3 80.5 83.0 84.2 85.4 86.6 87.8 89.0 90.2 91.4 92.6 93.8 95.0 96.2	[162.3] 1.8456 1.8589 1.8662 1.8734 1.8804 1.8873 1.8941 1.9008 1.9074 1.9139 1.9202 1.9265 1.9327 1.9389 1.9449 1.9509 1.9508 1.9626 1.9683	1140.1 1144.8 1149.5 1154.2 1158.2 1168.2 1177.4 1182.1 1186.7 1191.3 1195.9 1200.5 1209.8 1214.4	63.0 64.0 65.0 66.0 68.1 70.1 72.1 73.1 74.1 75.1 76.1 77.1 78.1 79.1	[170.1] 1.8308 1.8383 1.8456 1.8528 1.8599 1.8668 1.8737 1.8804 1.8870 1.8935 1.8999 1.9062 1.9124 1.9185 1.9246 1.9306 1.9365 1.9423	1139.7 1144.5 1149.2 1153.9 1153.5 1167.9 1172.5 1177.5 1177.5 1181.8 1186.5 1191.1 1195.7 1200.3 1205.0 1214.2	53.9 54.8 55.7 56.6 57.4 58.3 59.2 60.9 61.8 62.6 63.5 64.4 66.1 66.9 67.8 68.7	[176.8] 1.8184 1.8208 1.8282 1.8354 1.8425 1.8495 1.8563 1.8697 1.8762 1.8826 1.8890 1.8952 1.9013 1.9074 1.9134 1.9193 1.9252	1137.8 1139.3 1144.1 1148.8 1153.5 1158.2 1162.9 1167.6 1172.3 1176.9 1181.6 1186.2 1190.9 1195.5 1200.1 1204.8 1209.4 1214.1 1218.7	47.9 48.7 49.4 50.2 51.0 52.5 53.3 54.8 55.5 56.3 57.8 58.6 59.3 60.1	[1829] 1.8077 1.8130 1.8202 1.8274 1.8344 1.8412 1.8480 1.8547 1.8613 1.8674 1.8740 1.8802 1.8864 1.8925 1.8985 1.9044 1.9103	1143.7 1148.4 1153.2 1157.9 1162.6 1167.3 1172.0 1176.7 1181.3 1186.0 1190.7 1195.3 1190.2 1204.6 1209.2 1213.9 1218.5 1241.7 1265.0
180 190 210 220 240 250 260 270 280 290 310 320 330 340 400	75.7 76.9 78.1 79.3 80.5 81.7 83.0 84.2 85.4 86.6 87.8 89.0 90.2 91.4 92.6 93.8 95.0 96.2	[162.3] 1.8456 1.8589 1.8662 1.8734 1.8804 1.8873 1.9908 1.9074 1.9139 1.9262 1.9265 1.9327 1.9389 1.9449 1.9568 1.9626 1.9683 1.9960	1140.1 1144.8 1149.5 1154.2 1158.9 1163.5 1168.2 1172.8 1177.4 1182.1 1186.7 1191.3 1195.9 1200.5 1205.2 1209.8 1214.4	63.0 64.0 65.0 66.0 67.0 68.1 70.1 72.1 72.1 74.1 75.1 76.1 77.1 78.1 79.1 80.1 85.1	[170.1] 1.8308 1.8383 1.8456 1.8528 1.8599 1.8668 1.8737 1.8804 1.8870 1.8993 1.9062 1.9124 1.9185 1.9246 1.9366 1.9365 1.9423 1.9480 1.9758	1139.7 1144.5 1149.2 1153.9 1158.5 1167.9 1172.5 1177.2 1181.8 1186.5 1191.1 1195.7 1200.3 1205.0 1209.6 1214.2	53.9 54.8 55.7 56.6 57.4 58.3 59.2 60.0 61.8 62.6 63.5 64.4 66.9 67.8 68.7 72.9	[176.8] 1.8184 1.8208 1.8282 1.8354 1.8495 1.8563 1.8631 1.8697 1.8762 1.8890 1.8952 1.9013 1.9073 1.913 1.9252 1.9309 1.9587	1137.8 1139.3 1144.1 1148.8 1153.5 1158.2 1162.9 1167.6 1172.3 1176.9 1186.2 1190.9 1195.5 1200.1 1204.8 1209.4 1214.1	47.9 48.7 49.4 50.2 51.0 51.7 52.5 53.3 54.0 54.8 55.5 56.3 57.8 58.6 59.3	[1829] 1.8077 1.8130 1.8202 1.8274 1.8344 1.8412 1.8480 1.8547 1.8613 1.8677 1.8740 1.8862 1.8925 1.9044 1.9103 1.9160 1.9438	1143.7 1148.4 1153.2 1157.3 1162.6 1167.3 1172.0 1176.7 1181.3 1186.0 1190.7
180 190 210 220 230 240 250 260 270 280 290 310 320 330 340 350 400 450	75.7 76.9 78.1 79.3 80.5 81.7 83.0 84.2 85.4 86.8 89.0 90.2 91.4 92.6 93.8 95.0 96.2 102.2 108.2	[162.3] 1.8456 1.8589 1.8662 1.8734 1.8804 1.8873 1.8941 1.9008 1.9074 1.9139 1.9202 1.9265 1.9327 1.9389 1.9409 1.9508 1.9608 1.9608 1.9608 1.9608	1140.1 1144.8 1149.5 1154.2 1158.9 1163.5 1168.2 1172.8 1177.4 1182.1 1186.7 1191.3 1195.9 1205.2 1209.8 1214.4	63.0 64.0 65.0 66.0 67.0 69.1 70.1 72.1 73.1 74.1 75.1 76.1 78.1 79.1	[170.1] 1.8308 1.8383 1.8456 1.8528 1.8599 1.8668 1.8737 1.8804 1.8870 1.8935 1.9935 1.9185 1.9246 1.9365 1.9365 1.9423 1.9480 1.9758 2.0021	1139.7 1144.5 1149.2 1153.9 1158.5 1167.9 1172.5 1177.2 1181.8 1186.5 1191.1 1195.7 1200.3 1205.0 1209.6 1214.2	53.9 54.8 55.7 56.6 57.4 58.3 59.2 60.0 60.9 61.8 62.6 63.5 64.4 65.2 66.1 66.9 67.8 68.7 72.9 77.2	[176.8] 1.8184 1.8208 1.8282 1.8354 1.8495 1.8563 1.8697 1.8762 1.8826 1.88952 1.9013 1.9013 1.9252 1.9309 1.9587 1.9587	1137.8 1139.3 1144.1 1148.8 1153.5 1158.2 1162.9 1172.3 1176.9 1181.6 1186.2 1190.9 1195.5 1200.1 1204.9 1214.1	47.9 48.7 49.4 50.2 51.0 51.7 52.5 53.3 54.8 55.5 56.3 57.8 58.6 59.3 60.1 63.8 67.6	[1829] 1.8077 1.8130 1.8202 1.8274 1.8344 1.8412 1.8480 1.8547 1.8613 1.8677 1.8740 1.8802 1.8864 1.8925 1.9044 1.9103 1.9160 1.9438 1.9702	1143.7 1148.4 1153.2 1157.9 1162.6 1167.3 1172.0 1176.7 1181.3 1186.0 1190.7 1195.3 1190.2 1204.6 1209.2 1213.9 1218.5 1241.7 1265.0
180 190 210 220 230 240 250 260 270 280 290 310 320 330 340 450 500 550	75.7 76.9 78.1 79.3 80.5 81.7 83.0 84.2 85.6 87.8 89.0 90.2 91.4 92.6 93.8 95.0 96.2 102.2 108.2 114.1	[162.3] 1.8456 1.8589 1.8662 1.8734 1.8804 1.8873 1.9908 1.9074 1.9139 1.9262 1.9265 1.9327 1.9389 1.9449 1.9568 1.9626 1.9683 1.9960 2.0223 2.0472 2.0710	1140.1 1144.8 1149.5 1154.2 1158.9 1163.5 1168.2 1172.8 1177.4 1182.1 1186.7 1191.3 1195.9 1200.5 1205.2 1209.8 1214.4 1219.0 1242.1 1265.3 1288.7 1312.2	63.0 64.0 65.0 66.0 67.0 69.1 70.1 72.1 73.1 74.1 75.1 76.1 77.1 78.1 79.1 80.1 85.1 90.1 95.1	[170.1] 1.8308 1.8383 1.8456 1.8528 1.8599 1.8668 1.8737 1.8804 1.8935 1.9052 1.9021 1.9124 1.9185 1.9366 1.9365 1.9423 1.9480 1.9758 2.00211 2.0509	1139.7 1144.5 1149.2 1153.9 1158.5 1167.9 1172.5 1177.2 1181.8 1186.5 1191.1 1195.7 1200.3 1205.0 1214.2 1218.9 1242.0 1265.2 1288.6 1312.1	53.9 54.8 55.7 56.6 57.4 58.3 59.2 60.0 60.9 61.8 62.6 63.5 64.4 66.9 67.8 68.7 72.9 77.2 81.5 85.8	[176.8] 1.8184 1.8208 1.8282 1.8354 1.8425 1.8495 1.8563 1.8631 1.8697 1.8762 1.88890 1.8952 1.9013 1.9074 1.9193 1.9252 1.9309 1.9587 1.9850 2.0133	1137.8 1139.3 1144.1 1148.8 1153.5 1158.2 1162.9 1167.6 1172.3 1176.9 1186.2 1190.9 1195.5 1200.1 1204.8 1209.4 1214.1 1218.7 1241.9 1265.1 1288.5 1312.0	47.9 48.7 49.4 50.2 51.7 52.5 53.3 54.8 55.5 56.3 57.8 58.6 59.3 60.1 63.8 67.6 71.3 75.0	[1829] 1.8077 1.8130 1.8202 1.8274 1.8344 1.8412 1.8480 1.8547 1.8613 1.8677 1.8740 1.8802 1.8925 1.9044 1.9103 1.9160 1.9438 1.9702 1.9952 2.0191	1143.7 1148.4 1153.2 1157.3 1162.6 1167.3 1172.0 1176.7 1181.3 1186.0 1190.7 1195.3 1199.9 1204.6 1209.2 1213.9 1218.5 1241.7 1265.0 1288.4 1312.0
180 190 210 220 230 240 250 260 270 280 290 310 320 330 340 400 450 500 550 600	75.7 76.9 78.1 79.3 80.5 81.7 83.0 84.2 85.4 86.6 87.8 89.0 90.2 91.4 92.6 93.8 95.0 96.2 102.2 108.2 114.1 120.1	[162.3] 1.8456 1.8589 1.8662 1.8734 1.8804 1.8873 1.8941 1.9008 1.9074 1.9139 1.9202 1.9265 1.9389 1.9409 1.9568 1.9626 1.9683 1.9960 2.0223 2.0472 2.0710	1140.1 1144.8 1149.5 1154.2 1158.9 1163.5 1168.2 1172.8 1177.4 1182.1 1186.7 1191.3 1195.9 1200.5 1205.2 1209.8 1214.4 1219.0 1242.1 1265.3 1288.7 1312.2	63.0 64.0 65.0 66.0 67.0 69.1 70.1 72.1 73.1 74.1 75.1 76.1 77.1 78.1 79.1 80.1 85.1 90.1 90.1	[170.1] 1.8308 1.8383 1.8456 1.8528 1.8599 1.8668 1.8737 1.8804 1.8870 1.8935 1.9062 1.9185 1.9246 1.9306 1.9365 1.9423 1.9480 1.9758 2.0021 2.0509 2.0738	1139.7 1144.5 1149.2 1153.9 1158.5 1167.9 1172.5 1177.2 1181.8 1186.5 1191.1 1195.7 1200.3 1205.0 1214.2 1218.9 1242.0 1265.2 1288.6 1312.1 1335.8	53.9 54.8 55.7 56.6 57.4 58.3 59.2 60.0 61.8 62.6 63.5 64.4 66.9 67.8 68.7 72.9 77.2 85.8 90.0	[176.8] 1.8184 1.8208 1.8282 1.8354 1.8495 1.8563 1.8637 1.8697 1.8762 1.8826 1.88952 1.9013 1.9013 1.9013 1.9252 1.9309 1.9587 1.9850 2.0100 2.0338 2.0568	1137.8 1139.3 1144.1 1148.8 1153.5 1158.2 1162.9 1167.6 1172.3 1176.9 1186.2 1190.9 1195.5 1200.1 1204.8 1209.4 1214.1 1218.7 1241.9 1265.1 1288.5 1312.0 1335.7	47.9 48.7 49.4 50.2 51.0 51.7 52.5 53.3 54.0 57.8 57.8 57.8 63.8 67.6 71.3 75.0 78.8	[1829] 1.8077 1.8130 1.8202 1.8274 1.8344 1.8412 1.8480 1.8547 1.8613 1.8677 1.8740 1.8864 1.8925 1.9044 1.9103 1.9160 1.9438 1.9702 1.9952 2.0191 2.0421	1143.7 1148.4 1153.2 1157.2 1162.6 1167.3 1172.0 1176.7 1181.3 1186.0 1190.7 1195.3 1199.9 1204.2 1213.9 1241.7 1265.0 1288.4 1312.0 1335.7
180 190 210 220 230 240 250 260 270 280 290 310 320 330 340 450 500 550	75.7 76.9 78.1 79.3 80.5 81.7 83.0 84.2 85.6 87.8 89.0 90.2 91.4 92.6 93.8 95.0 96.2 102.2 108.2 114.1	[162.3] 1.8456 1.8589 1.8662 1.8734 1.8804 1.8873 1.9908 1.9074 1.9139 1.9262 1.9265 1.9327 1.9389 1.9449 1.9568 1.9626 1.9683 1.9960 2.0223 2.0472 2.0710	1140.1 1144.8 1149.5 1154.2 1158.9 1163.5 1168.2 1172.8 1177.4 1182.1 1186.7 1191.3 1195.9 1200.5 1205.2 1209.8 1214.4 1219.0 1242.1 1265.3 1288.7 1312.2	63.0 64.0 65.0 66.0 67.0 69.1 70.1 72.1 73.1 74.1 75.1 76.1 77.1 78.1 79.1 80.1 85.1 90.1 95.1	[170.1] 1.8308 1.8383 1.8456 1.8528 1.8599 1.8668 1.8737 1.8804 1.8935 1.9092 1.90124 1.9185 1.9246 1.9365 1.9423 1.9480 1.9758 2.00211 2.0509	1139.7 1144.5 1149.2 1153.9 1158.5 1167.9 1172.5 1177.2 1181.8 1186.5 1191.1 1195.7 1200.3 1205.0 1214.2 1218.9 1242.0 1265.2 1288.6 1312.1	53.9 54.8 55.7 56.6 57.4 58.3 59.2 60.0 60.9 61.8 62.6 63.5 64.4 66.9 67.8 68.7 72.9 77.2 81.5 85.8	[176.8] 1.8184 1.8208 1.8282 1.8354 1.8425 1.8495 1.8563 1.8631 1.8697 1.8762 1.88890 1.8952 1.9013 1.9074 1.9193 1.9252 1.9309 1.9587 1.9850 2.0133	1137.8 1139.3 1144.1 1148.8 1153.5 1158.2 1162.9 1167.6 1172.3 1176.9 1186.2 1190.9 1195.5 1200.1 1204.8 1209.4 1214.1 1218.7 1241.9 1265.1 1288.5 1312.0	47.9 48.7 49.4 50.2 51.7 52.5 53.3 54.8 55.5 56.3 57.8 58.6 59.3 60.1 63.8 67.6 71.3 75.0	[1829] 1.8077 1.8130 1.8202 1.8274 1.8344 1.8412 1.8480 1.8547 1.8613 1.8677 1.8740 1.8802 1.8925 1.9044 1.9103 1.9160 1.9438 1.9702 1.9952 2.0191	1143.7 1148.4 1153.2 1157.3 1162.6 1167.3 1172.0 1176.7 1181.3 1186.0 1190.7 1195.3 1199.9 1204.6 1209.2 1213.9 1218.5 1241.7 1265.0 1288.4 1312.0

Pres- sure		9 [188.3]			10 [193.2]			11 [197.8]			12 [202.0]	
Temp	•		i	▼		i	•		i	▼		i
Sat.	42.4	1.7982	1142.5	38.43	1.7897	1144.4	35.16	1.7821	1146.2	32.41	1.7751	1147.9
200 210	43.2 43.9	1.8068	1148.1	38.85 39.47	1.7947	1147.7	35.28 35.84	1.7838	1147.3	32.82	1.7810	1151.7
220	44.6	1.8210	1157.6	40.09	1.8090	1157.2	36.41	1.7981	1156.9	33.34	1.7881	1156.5
230	45.3	1.8279	1162.3	40.70	1.8159	1162.0	36.97	1.8051	1161.7	33.86	1.7951	1161.3
240	45.9	1.8347	1167.0	41.32	1.8227	1166.7	37.53	1.8119	1166.4	34-37	1.8019	1166.1
250 260	46.6	1.8414	1171.7	41.93	1.8294 1.8360	1171.4	38.09	1.8186	1171.1	34.89	1.8087	1170.9
270	47·3 48.0	1.8544	1176.4	42.54	1.8425	1180.8	38.65	1.8317	1175.9	35.40 35.91	1.8154	1175.6
280	48.7	1.8608	1185.8	43.76	1.8489	1185.5	39.76	1.8381	1185.3	36.42	1.8283	1185.0
290	49.3	1.8670	1190.4	44-37	1.8552	1190.2	40.31	1.8444	1190.0	36.93	1.8346	1189.8
300	50.0	1.8732	1195.1	44.98	1.8614	1194.9	40.87	1.8506	1194.7	37-44	1.8408	1194.5
310	50.7	1.8793	1199.7	45.58	1.8675	1199.5	41.42	1.8567	1199.3	37.95	1.8469	1199.1
320	51.4 52.0	1.8853	1204.4	46.19 46.79	1.8735	1204.2	41.97	1.8628	1204.0	38.46 38.96	1.8530	1203.8
330 340	52.7	1.8971	1213.7	47.40	1.8853	1213.5	43.07		1213.4	39.47	1.8649	1213.2
	-	-										
350 360	53·4 54.I	1.9029	1218.4	48.∞ 48.61	1.8911	1218.2	43.62 44.17	1.8805	1218.0	39.97 40.47	1.8707 1.8764	1217.9
370	54.7	1.9142	1227.6	49.21	1.9025	1227.4	44.72	1.8919	1227.3	40.98	1.8821	1227.2
380	55.4	1.9198	1232.2	49.82	1.9081	1232.1	45.27	1.8975	1232.0	41.48	1.8877	1231.9
390	56.0	1.9253	1236.9	50.42	1.9136	1236.8	45.82	1.9030	1236.7	41.99	1.8932	1236.5
400	56.7	1.9308	1241.6	51.02	1.9190	1241.5	46.37	1.9084	1241.4	42.49	1.8987	1241.2
450	60.0	1.9571	1264.9	54.02	1.9454	1264.8	49.10	1.9348	1264.7	45.00	1.9251	1264.6
500	63.4	1.9822	1288.3	57.02	1.9705	1288.3	51.83	1.9599	1288.2	47.50	1.9503	1288.1
550	66.7	2.0061	1311.9	60.01	1.9944	1311.8	54.55	1.9839	1311.8	50.00	1.9742	1311.7
600	70.0	2.0290	1335.6	63.00	2.0174	1335.6	57.27	2.0069	1335.5	52.49	1.9972	1335-5
		13 [205.9]			14 [209.6]			15 [213.0]			16 [216.3]	
Sat.	30.07		1149.4	28.06		1150.8	26.30		1152.2	24.76		1153.4
Sat. 210	30.07	[205.9]	1149.4	28.06	[209.6]	1150.8	26.30	[213.0]	1152.2	24.76	[216.3]	1153.4
210 220	30.27 30.74	[205.9] 1.7687 1.7717 1.7789	1151.4	28.07 28.52	[209.6] 1.7628 1.7631 1.7703	1151.0	26.59	[213.0] 1.7573 1.7623	1155.5	 24.91	[216.3] 1.7521 1.7548	1155.2
210 220 230	30.27 30.74 31.22	[205.9] 1.7687 1.7717 1.7789 1.7859	1151.4 1156.2 1161.0	28.07 28.52 28.97	[209.6] 1.7628 1.7631 1.7703 1.7774	1151.0 1155.9 1160.7	26.59 27.01	[213.0] 1.7573 1.7623 1.7694	1155.5 1160.4	24.91 25.30	[216.3] 1.7521 1.7548 1.7619	1155.2 1160.1
210 220 230 240	30.27 30.74 31.22 31.70	[205.9] 1.7687 1.7717 1.7789	1151.4 1156.2 1161.0 1165.8	28.07 28.52 28.97 29.41	[209.6] 1.7628 1.7631 1.7703 1.7774 1.7843	1151.0 1155.9 1160.7 1165.5	26.59 27.01 27.43	[213.0] 1.7573 1.7623 1.7694 1.7763	1155.5 1160.4 1165.2	24.91 25.30 25.69	[216.3] 1.7521 1.7548 1.7619 1.7689	1155.2 1160.1 1164.9
210 220 230 240 250	30.27 30.74 31.22 31.70	[205.9] 1.7687 1.7717 1.7789 1.7859 1.7928 1.7996	1151.4 1156.2 1161.0 1165.8	28.07 28.52 28.97 29.41	[209.6] 1.7628 1.7631 1.7703 1.7774 1.7843	1151.0 1155.9 1160.7 1165.5	26.59 27.01 27.43	[213.0] 1.7573 1.7623 1.7694 1.7763 1.7831	1155.5 1160.4 1165.2	24.91 25.30 25.69 26.08	[216.3] 1.7521 1.7548 1.7619 1.7689 1.7758	1155.2 1160.1 1164.9
210 220 230 240 250 260	30.27 30.74 31.22 31.70 32.18 32.65	[205.9] 1.7687 1.7717 1.7789 1.7859 1.7928 1.7996 1.8063	1151.4 1156.2 1161.0 1165.8 1170.6	28.07 28.52 28.97 29.41 29.86 30.30	[209.6] 1.7628 1.7631 1.7703 1.7774 1.7843 1.7911 1.7978	1151.0 1155.9 1160.7 1165.5	26.59 27.01 27.43 27.84 28.26	[213.0] 1.7573 1.7623 1.7694 1.7763 1.7831 1.7898	1155.5 1160.4 1165.2 1170.0	24.91 25.30 25.69 26.08 26.47	[216.3] 1.7521 1.7548 1.7619 1.7689 1.7758 1.7758	1155.2 1160.1 1164.9 1169.7
210 220 230 240 250 260 270	30.27 30.74 31.22 31.70 32.18 32.65 33.13	[205.9] 1.7687 1.7717 1.7789 1.7859 1.7928 1.7996 1.8063 1.8128	1151.4 1156.2 1161.0 1165.8 1170.6 1175.3 1180.1	28.07 28.52 28.97 29.41 29.86 30.30 30.74	[209.6] 1.7628 1.7631 1.7703 1.7774 1.7843 1.7911 1.7978 1.8043	1151.0 1155.9 1160.7 1165.5 1170.3 1175.1 1179.8	26.59 27.01 27.43 27.84 28.26 28.67	[213.0] 1.7573 1.7623 1.7694 1.7763 1.7831 1.7898 1.7964	1155.5 1160.4 1165.2 1170.0 1174.8 1179.6	24.91 25.30 25.69 26.08 26.47 26.86	[216.3] 1.7521 1.7548 1.7619 1.7689 1.7758 1.7825 1.7825	1155.2 1160.1 1164.9 1169.7 1174.5
210 220 230 240 250 260	30.27 30.74 31.22 31.70 32.18 32.65	[205.9] 1.7687 1.7717 1.7789 1.7859 1.7928 1.7996 1.8063	1151.4 1156.2 1161.0 1165.8 1170.6	28.07 28.52 28.97 29.41 29.86 30.30	[209.6] 1.7628 1.7631 1.7703 1.7774 1.7843 1.7911 1.7978	1151.0 1155.9 1160.7 1165.5	26.59 27.01 27.43 27.84 28.26	[213.0] 1.7573 1.7623 1.7694 1.7763 1.7831 1.7898	1155.5 1160.4 1165.2 1170.0	24.91 25.30 25.69 26.08 26.47	[216.3] 1.7521 1.7548 1.7619 1.7689 1.7758 1.7758	1155.2 1160.1 1164.9 1169.7
210 220 230 240 250 260 270 280	30.27 30.74 31.22 31.70 32.18 32.65 33.13 33.60 34.07	1.7687 1.7717 1.7789 1.7859 1.7928 1.7996 1.8063 1.8128 1.8192 1.8255	1151.4 1156.2 1161.0 1165.8 1170.6 1175.3 1180.1 1184.8 1189.5	28.07 28.52 28.97 29.41 29.86 30.30 30.74 31.18 31.62	[209.6] 1.7628 1.7631 1.7703 1.7774 1.7843 1.7911 1.7978 1.8043 1.8108 1.8171	1151.0 1155.9 1160.7 1165.5 1170.3 1175.1 1179.8 1184.6 1189.3	26.59 27.01 27.43 27.84 28.26 28.67 29.08 29.49	[213.0] 1.7573 1.7623 1.7694 1.7763 1.7898 1.7964 1.8029 1.8093 1.8155	1155.5 1160.4 1165.2 1170.0 1174.8 1179.6 1184.3 1189.1	24.91 25.30 25.69 26.08 26.47 26.86 27.25 27.64	[216.3] 1.7521 1.7548 1.7619 1.7689 1.7758 1.7825 1.7891 1.7956 1.8020 1.8083	1155.2 1160.1 1164.9 1169.7 1174.5 1179.3 1184.1 1188.8
210 220 230 240 250 260 270 280 290 310	30.27 30.74 31.22 31.70 32.18 32.65 33.13 33.60 34.07 34.54	[205.9] 1.7687 1.7717 1.7789 1.7859 1.7928 1.7996 1.8063 1.8128 1.8128 1.8129 1.8255 1.8317 1.8379	1151.4 1156.2 1161.0 1165.8 1170.6 1175.3 1180.1 1184.8 1189.5	28.07 28.52 28.97 29.41 29.86 30.30 30.74 31.18 31.62 32.06 32.50	[209.6] 1.7628 1.7631 1.7703 1.7774 1.7843 1.7911 1.7978 1.8043 1.8108 1.8171 1.8234 1.8296	1151.0 1155.9 1160.7 1165.5 1170.3 1175.1 1179.8 1184.6 1189.3	26.59 27.01 27.43 27.84 28.26 28.67 29.08 29.49 29.90 30.31	[213.0] 1.7573 1.7623 1.7694 1.7763 1.7898 1.7898 1.8029 1.8093 1.8155 1.8217	1155.5 1160.4 1165.2 1170.0 1174.8 1179.6 1184.3 1189.1 1193.8 1198.5	24.91 25.30 25.69 26.08 26.47 26.86 27.25 27.64	[216.3] 1.7521 1.7548 1.7619 1.7689 1.7758 1.7825 1.7891 1.7956 1.8020 1.8083 1.8145	1155.2 1160.1 1164.9 1169.7 1174.5 1179.3 1184.1 1188.8
210 220 230 240 250 260 270 280 290 310 320	30.27 30.74 31.22 31.70 32.18 32.65 33.13 33.60 34.07 34.54 35.01 35.48	[305.9] 1.7687 1.7717 1.7789 1.7859 1.7928 1.7996 1.8063 1.8128 1.8192 1.8255	1151.4 1156.2 1161.0 1165.8 1170.6 1175.3 1180.1 1184.8 1189.5 1194.2 1198.9	28.07 28.52 28.97 29.41 29.86 30.30 30.74 31.18 31.62 32.06 32.50 32.93	[309.6] 1.7628 1.7631 1.7703 1.7774 1.7843 1.7911 1.8043 1.8108 1.8171 1.8234 1.8234 1.8236 1.8357	1151.0 1155.9 1160.7 1165.5 1170.3 1175.1 1179.8 1184.6 1189.3 1194.0 1198.7	26.59 27.01 27.43 27.84 28.26 28.67 29.08 29.49 29.90 30.31 30.72	[213.0] 1.7573 1.7623 1.7694 1.7763 1.7831 1.7883 1.7964 1.8029 1.8029 1.8023 1.8155 1.8217 1.8278	1155.5 1160.4 1165.2 1170.0 1174.8 1179.6 1184.3 1189.1 1193.8 1198.5	24.91 25.30 25.69 26.08 26.47 26.86 27.25 27.64 28.02 28.41 28.79	[216.3] 1.7521 1.7548 1.7619 1.7689 1.7758 1.7825 1.7891 1.7956 1.8020 1.8083 1.8145 1.8206	1155.2 1160.1 1164.9 1169.7 1174.5 1179.3 1184.1 1188.8 1193.6 1198.3
210 220 230 240 250 260 270 280 290 310	30.27 30.74 31.22 31.70 32.18 32.65 33.13 33.60 34.07 34.54	[205.9] 1.7687 1.7717 1.7789 1.7859 1.7928 1.7996 1.8063 1.8128 1.8128 1.8129 1.8255 1.8317 1.8379	1151.4 1156.2 1161.0 1165.8 1170.6 1175.3 1180.1 1184.8 1189.5	28.07 28.52 28.97 29.41 29.86 30.30 30.74 31.18 31.62 32.06 32.50	[209.6] 1.7628 1.7631 1.7703 1.7774 1.7843 1.7911 1.7978 1.8043 1.8108 1.8171 1.8234 1.8296	1151.0 1155.9 1160.7 1165.5 1170.3 1175.1 1179.8 1184.6 1189.3	26.59 27.01 27.43 27.84 28.26 28.67 29.08 29.49 29.90 30.31	[213.0] 1.7573 1.7623 1.7694 1.7763 1.7898 1.7898 1.8029 1.8093 1.8155 1.8217	1155.5 1160.4 1165.2 1170.0 1174.8 1179.6 1184.3 1189.1 1193.8 1198.5	24.91 25.30 25.69 26.08 26.47 26.86 27.25 27.64	[216.3] 1.7521 1.7548 1.7619 1.7689 1.7758 1.7825 1.7891 1.7956 1.8020 1.8083 1.8145	1155.2 1160.1 1164.9 1169.7 1174.5 1179.3 1184.1 1188.8
210 220 230 240 250 260 270 280 290 310 320 330 340	30.27 30.74 31.22 31.70 32.18 32.65 33.13 33.60 34.07 34.54 35.01 35.48 35.95 36.42	1.7687 1.7717 1.7789 1.7859 1.7928 1.7996 1.8063 1.8128 1.8192 1.8255 1.8317 1.8379 1.8440 1.8500 1.8559	1151.4 1156.2 1161.0 1165.8 1170.6 1175.3 1180.1 1184.8 1189.5 1194.2 1198.9 1203.6 1208.3 1213.0	28.07 28.52 28.97 29.41 29.86 30.30 30.74 31.18 31.62 32.06 32.50 32.93 33.37 33.38	[309.6] 1.7628 1.7631 1.7774 1.7843 1.7911 1.7978 1.8043 1.8108 1.8171 1.8234 1.8296 1.8357 1.8417 1.8476	1151.0 1155.9 1160.7 1165.5 1170.3 1175.1 1179.8 1184.6 1189.3 1194.0 1198.7 1203.4 1208.1 1212.8	26.59 27.01 27.43 27.84 28.26 28.67 29.08 29.49 29.90 30.31 30.72 31.13 31.54	[213.0] 1.7573 1.7623 1.7694 1.7763 1.7898 1.7964 1.8029 1.8093 1.8155 1.8217 1.8278 1.8338 1.8338	1155.5 1160.4 1165.2 1170.0 1174.8 1179.6 1184.3 1189.1 1193.8 1198.5 1203.2 1208.0	24.91 25.30 25.69 26.08 26.47 26.86 27.25 27.64 28.02 28.41 28.79 29.17 29.55	[216.3] 1.7521 1.7548 1.7619 1.7689 1.7758 1.7825 1.7891 1.7956 1.8020 1.8083 1.8145 1.8266 1.8266 1.8325	1155.2 1160.1 1164.9 1169.7 1174.5 1179.3 1184.1 1188.8 1193.6 1198.3 1203.0 1207.8
210 220 230 240 250 260 270 280 290 310 320 330	30.27 30.74 31.22 31.70 32.18 32.65 33.13 33.60 34.07 34.54 35.91 35.48 35.95 36.42 36.89	[205.9] 1.7687 1.7717 1.7789 1.7859 1.7928 1.7996 1.8063 1.8128 1.8192 1.8255 1.8317 1.8379 1.8440 1.8500 1.8559 1.8617	1151.4 1156.2 1161.0 1165.8 1170.6 1175.3 1180.1 1184.8 1189.5 1194.2 1198.9 1203.6 1208.3 1213.0	28.07 28.52 28.97 29.41 29.86 30.30 30.74 31.18 31.62 32.06 32.50 32.93 33.37 33.80	[309.6] 1.7628 1.7631 1.7774 1.7843 1.7911 1.7978 1.8048 1.8171 1.8234 1.8296 1.8357 1.8417 1.8476	1151.0 1155.9 1160.7 1165.5 1170.3 1175.1 1179.8 1184.6 1189.3 1194.0 1198.7 1203.4 1208.1 1212.8	26.59 27.01 27.43 27.84 28.26 28.67 29.08 29.49 29.90 30.31 30.72 31.13 31.54	[213.0] 1.7573 1.7623 1.7694 1.7763 1.7831 1.7898 1.7964 1.8029 1.8029 1.8217 1.8278 1.8338 1.8397 1.8456	1155.5 1160.4 1165.2 1170.0 1174.8 1179.6 1184.3 1189.1 1193.8 1198.5 1203.2	24.91 25.30 25.69 26.47 26.86 27.25 27.64 28.02 28.41 28.79 29.17 29.55	[216.3] 1.7521 1.7548 1.7619 1.7689 1.7758 1.7825 1.7891 1.7956 1.8020 1.8083 1.8145 1.8266	1155.2 1160.1 1164.9 1169.7 1174.5 1179.3 1184.1 1188.8 1193.6 1198.3 1203.0 1207.8
210 220 230 240 260 270 280 290 310 320 330 340 360 370	30.27 30.74 31.22 31.70 32.18 32.65 33.13 33.60 34.07 34.54 35.95 36.42 36.89 37.35 37.82	[305.9] 1.7687 1.7717 1.7789 1.7859 1.7928 1.7996 1.8063 1.8128 1.8129 1.8255 1.8317 1.8379 1.8440 1.8550 1.8559	1151.4 1156.2 1161.0 1165.8 1170.6 1175.3 1180.1 1184.8 1189.5 1194.2 1198.9 1203.6 1208.3 1213.0	28.07 28.52 28.97 29.41 29.86 30.30 30.74 31.18 31.62 32.06 32.50 32.93 33.37 33.38	[309.6] 1.7628 1.7631 1.7703 1.7774 1.7843 1.7911 1.7978 1.8043 1.8107 1.8234 1.8234 1.8357 1.8476 1.8534 1.8534 1.8592 1.8649	1151.0 1155.9 1160.7 1165.5 1170.3 1175.1 1179.8 1184.6 1189.3 1194.0 1198.7 1203.4 1208.1 1212.8	26.59 27.01 27.43 27.84 28.26 28.67 29.08 29.49 29.90 30.31 30.72 31.13 31.54 31.94 32.35 32.75	[213.0] 1.7573 1.7623 1.7694 1.7763 1.7831 1.7898 1.7964 1.8029 1.8093 1.8155 1.8217 1.8278 1.8338 1.8397	1155.5 1160.4 1165.2 1170.0 1174.8 1179.6 1184.3 1189.1 1193.8 1203.2 1208.0 1212.7	24.91 25.30 25.69 26.08 26.47 26.86 27.25 27.64 28.02 28.41 28.79 29.17 29.55	[216.3] 1.7521 1.7548 1.7619 1.7689 1.7758 1.7825 1.7891 1.7956 1.8020 1.8083 1.8145 1.8266 1.8266 1.8325	1155.2 1160.1 1164.9 1169.7 1174.5 1179.3 1184.1 1188.8 1193.6 1198.3 1203.0 1207.8 1212.5
210 220 230 240 250 260 270 280 290 310 320 330 340 350 360 370 380	30.27 30.74 31.22 31.70 32.18 32.65 33.13 33.60 34.07 34.54 35.01 35.48 35.92 36.42 36.42 37.35 37.82 38.28	1.7687 1.7717 1.7789 1.7859 1.7928 1.7996 1.8063 1.8128 1.8192 1.8255 1.8379 1.8440 1.8509 1.85617 1.86617 1.8675 1.8732 1.8732	1151.4 1156.2 1161.0 1165.8 1170.6 1175.3 1180.1 1184.8 1189.5 1194.2 1198.9 1203.6 1208.3 1213.0 1217.7 1222.4 1227.1 1231.8	28.07 28.52 28.97 29.41 29.86 30.30 30.74 31.18 31.62 32.06 32.50 32.93 33.37 33.80 34.24 34.67 35.10 35.54	[309.6] 1.7628 1.7631 1.7703 1.7774 1.7843 1.7911 1.7978 1.8043 1.8108 1.8171 1.8234 1.8296 1.8357 1.8447 1.8476	1151.0 1155.9 1160.7 1165.5 1170.3 1175.1 1179.8 1184.6 1189.3 1194.0 1198.7 1203.4 1203.4 1202.2 1212.8	26.59 27.01 27.43 27.84 28.26 28.67 29.08 29.49 29.90 30.31 30.72 31.13 31.54 31.94 32.35 32.75 33.16	[213.0] 1.7573 1.7623 1.7694 1.7763 1.7831 1.7898 1.7964 1.8029 1.8093 1.8155 1.8217 1.8238 1.8338 1.8397 1.8456 1.8514 1.8551 1.8527	1155.5 1160.4 1165.2 1170.0 1174.8 1179.6 1184.3 1189.1 1193.8 1198.5 1203.2 1212.7 1212.7	24.91 25.30 25.69 26.08 26.47 26.86 27.25 27.64 28.02 28.41 28.79 29.17 29.55 29.93 30.31 30.69 31.07	[216.3] 1.7521 1.7548 1.7619 1.7689 1.7758 1.7825 1.7891 1.7956 1.8020 1.8083 1.8145 1.8266 1.8266 1.8325 1.8344 1.8442 1.8449 1.8555	1155.2 1160.1 1164.9 1169.7 1174.5 1179.3 1184.1 1188.8 1193.6 1198.3 1203.0 1207.8 1212.5 1221.9 1221.9 1226.6
210 220 230 240 250 260 290 290 300 330 340 350 360 370 380 390	30.27 30.74 31.22 31.70 32.18 32.65 33.13 33.60 34.07 34.54 35.95 36.42 36.89 37.35 37.82	[305.9] 1.7687 1.7717 1.7789 1.7859 1.7928 1.7996 1.8063 1.8128 1.8129 1.8255 1.8317 1.8379 1.8440 1.8550 1.8559	1151.4 1156.2 1161.0 1165.8 1170.6 1175.3 1180.1 1184.8 1189.5 1194.2 1198.9 1203.6 1208.3 1213.0	28.07 28.52 28.97 29.41 29.86 30.30 30.74 31.162 32.06 32.93 33.37 33.80 34.24 34.67 35.10	[309.6] 1.7628 1.7631 1.7703 1.7774 1.7843 1.7911 1.7978 1.8043 1.8107 1.8234 1.8234 1.8357 1.8476 1.8534 1.8534 1.8592 1.8649	1151.0 1155.9 1160.7 1165.5 1170.3 1175.1 1179.8 1184.6 1189.3 1194.0 1198.7 1203.4 1208.1 1212.8	26.59 27.01 27.43 27.84 28.26 28.67 29.08 29.49 29.90 30.31 30.72 31.13 31.54 31.94 32.35 32.75	[213.0] 1.7573 1.7623 1.7694 1.7763 1.7831 1.7898 1.7964 1.8029 1.8093 1.8155 1.8217 1.8278 1.8338 1.8397	1155.5 1160.4 1165.2 1170.0 1174.8 1179.6 1184.3 1189.1 1193.8 1203.2 1208.0 1212.7	24.91 25.30 25.69 26.08 26.47 26.86 27.25 27.64 28.02 28.41 28.79 29.17 29.55 29.93 30.31 30.69	[216.3] 1.7521 1.7548 1.7619 1.7689 1.7758 1.7825 1.7891 1.7956 1.8020 1.8083 1.8145 1.8266 1.8266 1.8325	1155.2 1160.1 1164.9 1169.7 1174.5 1179.3 1184.1 1188.8 1193.6 1198.3 1203.0 1207.8 1212.5
210 220 230 240 250 260 290 290 300 330 340 350 350 370 380 390 400	30.27 30.74 31.22 31.70 32.18 32.65 33.13 33.60 34.07 34.54 35.01 35.48 35.92 36.42 36.42 37.35 37.82 38.28	1.7687 1.7717 1.7789 1.7859 1.7928 1.7996 1.8063 1.8128 1.8192 1.8255 1.8379 1.8440 1.8509 1.85617 1.86617 1.8675 1.8732 1.8732	1151.4 1156.2 1161.0 1165.8 1170.6 1175.3 1180.1 1184.8 1189.5 1194.2 1203.6 1208.3 1213.0 1217.7 1222.4 1227.1 1231.8 1236.4	28.07 28.52 28.97 29.41 29.86 30.30 30.74 31.18 31.62 32.06 32.50 32.93 33.37 33.38 34.24 34.67 35.10 35.54	[309.6] 1.7628 1.7631 1.7703 1.7774 1.7843 1.7911 1.7978 1.8043 1.8108 1.8171 1.8234 1.8296 1.8357 1.8447 1.8476	1151.0 1155.5 1160.7 1165.5 1170.3 1175.1 1179.8 1184.6 1189.3 1194.0 1198.7 1203.4 1208.1 1212.8 1222.2 1226.9 1231.6 1236.3	26.59 27.01 27.43 27.84 28.26 28.67 29.08 29.49 29.90 30.31 30.72 31.13 31.54 31.94 32.35 32.75 33.16	[213.0] 1.7573 1.7623 1.7694 1.7763 1.7898 1.7898 1.8029 1.8029 1.8029 1.8155 1.8217 1.8278 1.8338 1.8397 1.8456 1.8514 1.8571 1.86683	1155.5 1160.4 1165.2 1170.0 1174.8 1179.6 1184.3 1189.1 1193.8 1203.2 1208.0 1212.7 1226.8 1231.5 1236.2	24.91 25.30 25.69 26.08 26.47 26.86 27.25 27.64 28.02 28.41 28.79 29.17 29.55 29.93 30.31 30.69 31.07 31.45 31.83	[216.3] 1.7521 1.7548 1.7619 1.7689 1.7758 1.7825 1.7891 1.7956 1.8020 1.8083 1.8145 1.8266 1.8266 1.8325 1.8384 1.8442 1.8499 1.8555 1.8661	1155.2 1160.1 1164.9 1179.3 1179.3 1184.1 1188.8 1193.6 1203.0 1207.8 1212.5 1217.2 1221.9 1226.6 1231.3 1236.0
210 220 240 250 270 280 290 310 330 330 340 350 390 400 450	30.27 30.74 31.22 31.70 32.18 32.65 33.13 33.60 34.07 34.54 35.01 35.48 35.95 36.42 36.89 37.32 38.75	1.7687 1.7717 1.7859 1.7928 1.7996 1.8063 1.8128 1.8128 1.8255 1.8317 1.8379 1.8440 1.8500 1.8559 1.8617 1.8788 1.8788 1.8843 1.8898 1.9163	1151.4 1156.2 1161.0 1165.8 1170.6 1175.3 1180.1 1184.8 1189.5 1194.2 1198.9 1203.6 1213.0 1217.7 1222.4 1227.1 1231.8 1236.4	28.07 28.52 28.97 29.41 29.86 30.30 30.74 31.18 31.62 32.06 32.50 32.93 33.37 33.38 34.24 35.10 35.54 35.97	[309.6] 1.7628 1.7631 1.7774 1.7843 1.7911 1.7978 1.8043 1.8107 1.8234 1.8296 1.8357 1.8476 1.8534 1.8592 1.8649 1.8705 1.8760 1.8815 1.9080	1151.0 1155.9 1160.7 1165.5 1170.3 1175.1 1179.8 1184.6 1189.3 1194.0 1198.7 1203.4 1203.4 1203.4 1212.8 1221.2 1221.3 1212.8	26.59 27.01 27.43 27.84 28.26 28.67 29.08 29.49 29.90 30.31 30.72 31.54 31.54 31.54 32.35 32.75 33.56	[213.0] 1.7573 1.7623 1.7694 1.7763 1.7831 1.7898 1.7964 1.8029 1.8093 1.8155 1.8217 1.8278 1.8338 1.8397 1.8456 1.8571 1.8627 1.8683 1.8738 1.8738	1155.5 1160.4 1165.2 1170.0 1174.8 1179.6 1184.3 1189.1 1193.8 1198.5 1203.2 1212.7 1217.4 1222.1 1226.8 1231.5 1236.2	24.91 25.30 25.69 26.08 26.47 26.86 27.25 27.64 28.02 28.41 28.79 29.17 29.55 29.93 30.31.45 31.83 33.72	[216.3] 1.7521 1.7548 1.7619 1.7689 1.7758 1.7825 1.7891 1.7956 1.8020 1.8083 1.8145 1.8266 1.8325 1.8442 1.8499 1.85555 1.8661 1.8666 1.8931	1155.2 1160.1 1164.9 1169.7 1174.5 1179.3 1184.1 1188.8 1193.6 1198.3 1203.0 1207.8 1212.5 1221.9 1221.9 1226.6 1231.3 1236.0
210 220 230 240 250 250 290 310 330 340 350 350 370 380 390 400 450 500	30.27 30.74 31.22 31.70 32.18 32.65 33.13 33.60 34.07 34.54 35.01 35.48 35.95 36.42 36.89 37.35 37.82 38.75 39.21 41.53 43.84	[205.9] 1.7687 1.7717 1.7789 1.7928 1.7928 1.7928 1.8128 1.8192 1.8255 1.8317 1.8379 1.8440 1.8500 1.8559 1.8617 1.8675 1.8732 1.8788 1.8843 1.8898 1.9163	1151.4 1156.2 1161.0 1165.8 1170.6 1175.3 1180.1 1184.8 1189.5 1194.2 1198.9 1203.6 1213.0 1217.7 1222.4 1227.1 1231.8 1236.4	28.07 28.52 28.97 29.41 29.86 30.30 30.74 31.18 31.62 32.06 32.50 32.93 33.37 33.80 34.24 34.67 35.10 35.54 35.97	[309.6] 1.7628 1.7631 1.7774 1.7843 1.7911 1.7978 1.8043 1.8171 1.8234 1.8296 1.8354 1.85592 1.8649 1.8760 1.8815 1.89080 1.9331	1151.0 1155.9 1160.7 1165.5 1170.3 1175.1 1179.8 1184.6 1189.3 1194.0 1198.7 1203.4 1208.1 1212.8 1217.5 1222.2 1226.3 1231.6 1236.3	26.59 27.01 27.43 27.84 28.26 28.67 29.08 29.49 29.90 30.31 30.72 31.13 31.54 31.94 32.35 32.75 33.56 33.96 33.96	[213.0] 1.7573 1.7623 1.7694 1.7763 1.7831 1.7898 1.7964 1.8029 1.8093 1.8155 1.8217 1.8278 1.8338 1.8339 1.85514 1.8571 1.8627 1.8683 1.8738 1.8738 1.9003 1.9255	1155.5 1160.4 1165.2 1170.0 1174.8 1179.6 1184.3 1189.1 1193.8 1198.5 1203.2 1208.0 1212.7 1217.4 1222.1 1226.8 1236.2	24.91 25.30 25.69 26.08 26.47 26.86 27.25 27.64 28.02 28.41 28.79 29.17 29.55 29.93 30.31 30.69 31.45 31.83 33.72 35.60	[216.3] 1.7521 1.7548 1.7689 1.7689 1.7758 1.7891 1.7956 1.8020 1.8083 1.8145 1.8206 1.8266 1.8325 1.8384 1.8442 1.8499 1.8555 1.8611	1155.2 1160.1 1164.9 1169.7 1174.5 1179.3 1184.1 1188.8 1193.6 1198.3 1203.0 1207.8 1212.5 1221.9 1226.1 1236.0
210 220 230 240 250 270 280 290 310 330 330 340 350 360 370 380 390 400 450	30.27 30.74 31.22 31.70 32.18 32.65 33.13 33.60 34.07 34.54 35.95 36.42 36.89 37.35 37.82 38.28 38.75 39.21 41.53 44.15	[205.9] 1.7687 1.7717 1.7789 1.7859 1.7928 1.7996 1.8063 1.8128 1.8192 1.8255 1.8317 1.8440 1.8500 1.8559 1.8617 1.8675 1.8732 1.8788 1.8843 1.8898 1.91414 1.9654	1151.4 1156.2 1161.0 1165.8 1170.6 1175.3 1180.1 1184.8 1189.5 1194.2 1198.9 1203.6 1208.3 1213.0 1217.7 1222.4 1227.1 1231.8 1236.4 1241.1 1264.5 1288.0 1311.6	28.07 28.52 28.97 29.41 29.86 30.30 30.74 31.18 31.62 32.06 32.50 32.93 33.37 33.80 34.24 34.67 35.59 35.59 36.40 38.55 40.70 42.84	[309.6] 1.7628 1.7631 1.7774 1.7843 1.7911 1.7948 1.8049 1.8171 1.8234 1.8296 1.8357 1.8417 1.8476 1.8534 1.8705 1.8760 1.8815 1.9080 1.9331 1.9572	1151.0 1155.9 1160.7 1165.5 1170.3 1175.1 1179.8 1184.6 1189.3 1194.0 1198.7 1203.4 1208.1 1212.8 1222.2 1226.3 1231.6 1236.3 1241.0 1264.4 1287.9 1311.6	26.59 27.01 27.43 27.84 28.26 28.67 29.08 29.49 29.90 30.31 30.72 31.13 31.54 31.94 32.35 33.16 33.56 33.96 35.98 37.98 39.98	[213.0] 1.7573 1.7623 1.7694 1.7763 1.7831 1.7898 1.8093 1.8155 1.8217 1.8278 1.8338 1.8397 1.8456 1.8514 1.8521 1.8521 1.8683 1.8738 1.9255 1.9495	1155.5 1160.4 1165.2 1170.0 1174.8 1179.6 1184.3 1189.1 1193.8 1198.5 1203.2 1208.0 1212.7 1217.4 1222.1 1226.8 1231.5 1240.9 1264.3 1287.9 1311.5	24.91 25.30 25.69 26.08 26.47 26.86 27.25 27.64 28.02 28.41 28.79 29.17 29.55 29.93 30.31 30.69 31.45 31.83 33.72 35.60 37.48	[216.3] 1.7521 1.7548 1.7619 1.7689 1.7758 1.7825 1.7891 1.7956 1.8020 1.8083 1.8145 1.8266 1.8325 1.8442 1.8499 1.85555 1.8661 1.8666 1.8931	1155.2 1160.1 1164.9 1174.5 1179.3 1184.1 1188.8 1193.6 1203.0 1207.8 1217.2 1221.9 1226.6 1231.3 1236.0
210 220 230 240 250 250 290 300 330 340 350 350 350 350 350 370 380 370 380 370 380 370 380 370 380 370 380 370 370 370 370 370 370 370 370 370 37	30.27 30.74 31.22 31.70 32.18 32.65 33.13 33.60 34.07 34.54 35.01 35.48 35.95 36.42 36.89 37.35 37.82 38.75 39.21 41.53 43.84	[205.9] 1.7687 1.7717 1.7789 1.7928 1.7928 1.7928 1.8128 1.8192 1.8255 1.8317 1.8379 1.8440 1.8500 1.8559 1.8617 1.8675 1.8732 1.8788 1.8843 1.8898 1.9163	1151.4 1156.2 1161.0 1165.8 1170.6 1175.3 1180.1 1184.8 1189.5 1194.2 1198.9 1203.6 1213.0 1217.7 1222.4 1227.1 1231.8 1236.4	28.07 28.52 28.97 29.41 29.86 30.30 30.74 31.18 31.62 32.06 32.50 32.93 33.37 33.80 34.24 34.67 35.10 35.54 35.97	[309.6] 1.7628 1.7631 1.7774 1.7843 1.7911 1.7978 1.8043 1.8171 1.8234 1.8296 1.8354 1.85592 1.8649 1.8760 1.8815 1.89080 1.9331	1151.0 1155.9 1160.7 1165.5 1170.3 1175.1 1179.8 1184.6 1189.3 1194.0 1198.7 1203.4 1208.1 1212.8 1217.5 1222.2 1226.3 1231.6 1236.3	26.59 27.01 27.43 27.84 28.26 28.67 29.08 29.49 29.90 30.31 30.72 31.13 31.54 31.94 32.35 32.75 33.56 33.96 33.96	[213.0] 1.7573 1.7623 1.7694 1.7763 1.7831 1.7898 1.7964 1.8029 1.8093 1.8155 1.8217 1.8278 1.8338 1.8339 1.85514 1.8571 1.8627 1.8683 1.8738 1.8738 1.9003 1.9255	1155.5 1160.4 1165.2 1170.0 1174.8 1179.6 1184.3 1189.1 1193.8 1198.5 1203.2 1208.0 1212.7 1217.4 1222.1 1226.8 1236.2	24.91 25.30 25.69 26.08 26.47 26.86 27.25 27.64 28.02 28.41 28.79 29.17 29.55 29.93 30.31 30.69 31.45 31.83 33.72 35.60	[216.3] 1.7521 1.7548 1.7619 1.7689 1.7758 1.7825 1.7825 1.7895 1.8020 1.8083 1.8145 1.8266 1.8325 1.8344 1.8442 1.8499 1.8555 1.8616 1.89331 1.9183 1.9424	1155.2 1160.1 1164.9 1169.7 1174.5 1179.3 1184.1 1188.8 1193.6 1198.3 1203.0 1207.8 1212.5 1221.9 1226.1 1236.0

Pres- sure		17 [219.4]			18 [222.4]			19 [225.2]			20 [228.0]	
Temp F.	v		i	▼		i	▼	8	i	▼		i
Sat.	23.40	1.7473	1154.6	22.18	1.7427	1155.7	21.09	1.7384	1156.7	20.10	1.7343	1157.7
230 240	23.79 24.16	1.7548 1.7618	1159.7 1164.6	22.45 22.80	1.7482 1.7552	1159.4 1164.3	21.25 21.58	1.7418 1.7489	1159.1 1164.0	20.17 20.49	1.7358 1.7428	1158.7 1163.6
250 260	24.53	1.7687	1169.4	23.15	1.7621	1169.1	21.91	1.7558	1168.8	20.80	1.7498	1168.5
270	24.90 25.26	1.7755	1174.2	23.50	1.7689 1.7755	1174.0	22.24	1.7626 1.7692	1173.7	21.12	1.7566	1173.4
280	25.63	1.7886	1183.8	24.19	1.7820	1183.6	22.90	1.7758	1183.3	21.74	1.7699	1183.1
290	25.99	1.7950	1188.6	24.54	1.7884	1188.4	23.23	1.7822	1188.1	22.06	1.7763	1187.9
300	26.36	1.8013	1193.4	24.88	1.7947	1193.1	23.56	1.7886	1192.9	22.37	1.7827	1192.7
310	26.72	1.8075	1198.1	25.22	1.8009	1197.9	23.88	1.7948	1197.7	22.68	1.7889	1197.5
320 330	27.08	1.8136	1202.6	25.56 25.91	1.8071	1202.6	24.2I 24.53	1.8070	1207.2	22.99	1.7951	I 202.2 I 207.0
340	27.80	1.8256	1212.3	26.25	1.8191	1212.1	24.85	1.8130	1212.0	23.60	1.8072	1211.8
350	28.16	1.8315	1217.0	26.59	1.8250	1216.9	25.18	1.8189	1216.7	23.91	1.8131	1216.5
360	28.52	1.8373	1221.8	26.93	1.8308	1221.6	25.50	1.8247	1221.4	24.22	1.8189	1221.3
370	28.88	1.8430	1226.5	27.27	1.8365	1226.3	25.82	1.8304	1226.2	24.52	1.8246	1226.0
380	29.24	1.8486	1231.2	27.60	1.8422	1231.0	26.14	1.8361	1230.9	24.83	1.8303	1230.7
390	29.59	1.8542	1235.9	27.94	1.8478	1235.7	26.46	1.8417	1235.6	25.13	1.8359	1235.5
400	29.95	1.8597	1240.6	28.28	1.8533	1240.4	26.78	1.8472	1240.3	25.44	1.8414	1240.2
450	31.73	1.8863	1264.1	29.96	1.8799	1264.0	28.38	1.8739	1263.9	26.96	1.8681	1263.8
500	33.50	1.9115	1287.7	31.64 33.31	1.9052	1287.6	29.97	1.8991	1287.5	28.47 29.97	1.8934	1287.4
550 600	35.27 37.04	1.9587	1335.2	34.98	1.9523	1335.1	31.55	1.9463	1335.1	31.47	1.9406	1311.1
650	38.80	1.9808	1359.2	36.64	1.9744	1359.1	34.71	1.9684	1359.1	32.97	1.9628	1359.1
700	40.56	2.0021	1383.4	38.30	1.9958	1383.4	36.28	1.9898	1383.3	34.47	1.9841	1383.3
750	42.31	2.0227	1407.8	39.96	2.0164	1407.8	37.85	2.0104	1407.7	35.96	2.0047	1407.7
		21 [230.6]			22 [233.1]			23 [235.5]			24 [237.8]	
Sat.	19.20	1.7304	1158.7	18.38	1.7267	1159.6	17.64	1.7231	1160.4	16.95	1.7197	1161.3
240	19.49	1.7371	1163.3	18.59	1.7316	1163.0	17.76	1.7264	1162.7	17.01	1.7213	1162.4
								1	1			
250	19.79		1168.2	18.88	1.7386	1167.9	18.04	1.7334	1167.6	17.28	1.7283	1167.3
250 260	19.79 20.10	1.7441 1.7509	1173.1	18.88	1.7386	1167.9	18.04	1.7334	1172.6	17.28	1.7283	1167.3 1172.3
260 270	20.10	1.7441 1.7509 1.7576	1173.1	19.17 19.45	1.7455	1172.8	18.32 18.60	I.7403 I.7470	1172.6	17.54	1.7352 1.7420	1172.3
260 270 280	20.10 20.40 20.70	1.7441 1.7509 1.7576 1.7642	1173.1 1178.0 1182.8	19.17 19.45 19.74	1.7455 1.7522 1.7588	1172.8 1177.7 1182.6	18.32 18.60 18.87	1.7403	1172.6 1177.5 1182.3	17.54 17.81 18.07	1.7352 1.7420 1.7486	1172.3 1177.2 1182.1
260 270 280 290	20.10 20.40 20.70 20.99	1.7441 1.7509 1.7576 1.7642 1.7707	1173.1 1178.0 1182.8 1187.7	19.17 19.45 19.74 20.03,	1.7455 1.7522 1.7588 1.7653	1172.8 1177.7 1182.6 1187.4	18.32 18.60 18.87 19.14	1.7403 1.7470 1.7536 1.7601	1172.6 1177.5 1182.3 1187.2	17.54 17.81 18.07 18.33	1.7352 1.7420 1.7486 1.7551	1172.3 1177.2 1182.1 1186.9
260 270 280 290	20.10 20.40 20.70 20.99 21.29	1.7441 1.7509 1.7576 1.7642 1.7707	1173.1 1178.0 1182.8 1187.7	19.17 19.45 19.74 20.03,	1.7455 1.7522 1.7588 1.7653	1172.8 1177.7 1182.6 1187.4	18.32 18.60 18.87 19.14	1.7403 1.7470 1.7536 1.7601	1172.6 1177.5 1182.3 1187.2	17.54 17.81 18.07 18.33	1.7352 1.7420 1.7486 1.7551	1172.3 1177.2 1182.1 1186.9
260 270 280 290 800 310	20.10 20.40 20.70 20.99	1.7441 1.7509 1.7576 1.7642 1.7707	1173.1 1178.0 1182.8 1187.7	19.17 19.45 19.74 20.03,	1.7455 1.7522 1.7588 1.7653	1172.8 1177.7 1182.6 1187.4	18.32 18.60 18.87 19.14	1.7403 1.7470 1.7536 1.7601	1172.6 1177.5 1182.3 1187.2	17.54 17.81 18.07 18.33	1.7352 1.7420 1.7486 1.7551 1.7615 1.7679	1172.3 1177.2 1182.1 1186.9
260 270 280 290	20.10 20.40 20.70 20.99 21.29 21.58 21.88 22.17	1.7441 1.7509 1.7576 1.7642 1.7707 1.7771 1.7833 1.7895 1.7956	1173.1 1178.0 1182.8 1187.7 1192.5 1197.3 1202.1 1206.8	19.17 19.45 19.74 20.03, 20.31 20.59 20.88 21.16	1.7455 1.7522 1.7588 1.7653 1.7717 1.7780 1.7842 1.7903	1172.8 1177.7 1182.6 1187.4 1192.2 1197.1 1201.9 1206.6	18.32 18.60 18.87 19.14 19.42 19.69 19.96 20.23	1.7403 1.7470 1.7536 1.7601 1.7665 1.7729 1.7791 1.7852	1172.6 1177.5 1182.3 1187.2 1192.0 1196.8 1201.6 1206.4	17.54 17.81 18.07 18.33 18.60 18.86 19.12 19.37	1.7352 1.7420 1.7486 1.7551 1.7615 1.7679 1.7741 1.7803	1172.3 1177.2 1182.1 1186.9 1191.8 1196.6 1201.4 1206.2
260 270 280 290 800 310 320	20.10 20.40 20.70 20.99 21.29 21.58 21.88	1.7441 1.7509 1.7576 1.7642 1.7707 1.7771 1.7833 1.7895	1173.1 1178.0 1182.8 1187.7 1192.5 1197.3 1202.1	19.17 19.45 19.74 20.03, 20.31 20.59 20.88	1.7455 1.7522 1.7588 1.7653 1.7717 1.7780 1.7842	1172.8 1177.7 1182.6 1187.4 1192.2 1197.1 1201.9	18.32 18.60 18.87 19.14 19.42 19.69 19.96	1.7403 1.7470 1.7536 1.7601 1.7665 1.7729 1.7791	1172.6 1177.5 1182.3 1187.2 1192.0 1196.8 1201.6	17.54 17.81 18.07 18.33 18.60 18.86 19.12	1.7352 1.7420 1.7486 1.7551 1.7615 1.7679 1.7741	1172.3 1177.2 1182.1 1186.9 1191.8 1196.6 1201.4
260, 270, 280, 290, 310, 320, 330, 340,	20.10 20.40 20.70 20.99 21.29 21.58 21.88 22.17	1.7441 1.7509 1.7576 1.7642 1.7707 1.7771 1.7833 1.7895 1.7956 1.8016	1173.1 1178.0 1182.8 1187.7 1192.5 1197.3 1202.1 1206.8	19.17 19.45 19.74 20.03, 20.31 20.59 20.88 21.16	1.7455 1.7522 1.7588 1.7653 1.7717 1.7780 1.7842 1.7903 1.7963	1172.8 1177.7 1182.6 1187.4 1192.2 1197.1 1201.9 1206.6	18.32 18.60 18.87 19.14 19.42 19.69 19.96 20.23	1.7403 1.7470 1.7536 1.7601 1.7665 1.7729 1.7791 1.7852 1.7912	1172.6 1177.5 1182.3 1187.2 1192.0 1196.8 1201.6 1206.4 1211.2	17.54 17.81 18.07 18.33 18.60 18.86 19.12 19.37	1.7352 1.7420 1.7486 1.7551 1.7615 1.7679 1.7741 1.7803	1172.3 1177.2 1182.1 1186.9 1191.8 1196.6 1201.4 1206.2 1211.0
260, 270, 280, 290, 310, 320, 330, 340, 360,	20.10 20.40 20.70 20.99 21.29 21.58 21.88 22.17 22.47 22.76 23.05	1.7441 1.7509 1.7576 1.7642 1.7707 1.7771 1.7833 1.7895 1.7956 1.8016 1.8075	1173.1 1178.0 1182.8 1187.7 1192.5 1197.3 1202.1 1206.8 1211.6	19.17 19.45 19.74 20.03, 20.31 20.59 20.88 21.16 21.44 21.72 22.00	1.7455 1.7522 1.7588 1.7653 1.7717 1.7780 1.7842 1.7903 1.7963 1.8022 1.8080	1172.8 1177.7 1182.6 1187.4 1192.2 1197.1 1201.9 1206.6 1211.4 1216.2 1220.9	18.32 18.60 18.87 19.14 19.42 19.69 19.96 20.23 20.50 20.77 21.03	1.7403 1.7470 1.7536 1.7601 1.7665 1.7729 1.7791 1.7852 1.7912 1.7971 1.8030	1172.6 1177.5 1182.3 1187.2 1192.0 1196.8 1201.6 1206.4 1211.2 1216.0 1220.8	17.54 17.81 18.07 18.33 18.60 18.86 19.12 19.37 19.63 19.89 20.15	1.7352 1.7420 1.7486 1.7551 1.7615 1.7679 1.7741 1.7803 1.7863 1.7922 1.7981	1172.3 1177.2 1182.1 1186.9 1191.8 1196.6 1201.4 1206.2 1211.0
260, 270, 280, 290, 310, 320, 330, 340, 360, 370,	20.10 20.40 20.70 20.99 21.29 21.58 21.88 22.17 22.47 22.76 23.05 23.34	1.7441 1.7576 1.7576 1.7642 1.7771 1.7833 1.7895 1.7956 1.8016	1173.1 1178.0 1182.8 1187.7 1192.5 1197.3 1202.1 1206.8 1211.6	19.17 19.45 19.74 20.03, 20.31 20.59 20.88 21.16 21.44 21.72 22.00 22.28	1.7455 1.7522 1.7588 1.7653 1.7717 1.7780 1.7842 1.7903 1.7963 1.8022 1.8080 1.8138	1172.8 1177.7 1182.6 1187.4 1192.2 1197.1 1201.9 1206.6 1211.4 1216.2 1220.9 1225.7	18.32 18.60 18.87 19.14 19.42 19.69 19.96 20.23 20.50 20.77 21.03 21.30	1.7403 1.7470 1.7536 1.7601 1.7665 1.7729 1.7791 1.7852 1.7912 1.7971 1.8030 1.8087	1172.6 1177.5 1182.3 1187.2 1192.0 1196.8 1201.6 1206.4 1211.2 1216.0 1220.8 1225.5	17.54 17.81 18.07 18.33 18.60 18.86 19.12 19.37 19.63 19.89 20.15 20.41	1.7352 1.7420 1.7486 1.7551 1.7615 1.7679 1.7741 1.7803 1.7863 1.7922 1.7981 1.8039	1172.3 1177.2 1182.1 1186.9 1191.8 1196.6 1201.4 1206.2 1211.0
260, 270, 280, 290, 310, 320, 330, 340, 360,	20.10 20.40 20.70 20.99 21.29 21.58 21.88 22.17 22.47 22.76 23.05	1.7441 1.7509 1.7576 1.7642 1.7707 1.7771 1.7833 1.7895 1.7956 1.8016 1.8075	1173.1 1178.0 1182.8 1187.7 1192.5 1197.3 1202.1 1206.8 1211.6	19.17 19.45 19.74 20.03, 20.31 20.59 20.88 21.16 21.44 21.72 22.00	1.7455 1.7522 1.7588 1.7653 1.7717 1.7780 1.7842 1.7903 1.7963 1.8022 1.8080	1172.8 1177.7 1182.6 1187.4 1192.2 1197.1 1201.9 1206.6 1211.4 1216.2 1220.9	18.32 18.60 18.87 19.14 19.42 19.69 19.96 20.23 20.50 20.77 21.03	1.7403 1.7470 1.7536 1.7601 1.7665 1.7729 1.7791 1.7852 1.7912 1.7971 1.8030	1172.6 1177.5 1182.3 1187.2 1192.0 1196.8 1201.6 1206.4 1211.2 1216.0 1220.8	17.54 17.81 18.07 18.33 18.60 18.86 19.12 19.37 19.63 19.89 20.15	1.7352 1.7420 1.7486 1.7551 1.7615 1.7679 1.7741 1.7803 1.7863	1172.3 1177.2 1182.1 1186.9 1191.8 1196.6 1201.4 1206.2 1211.0
260, 270, 280, 290, 310, 320, 330, 340, 360, 370, 380, 390,	20.10 20.40 20.70 20.99 21.29 21.58 21.88 22.17 22.47 22.76 23.05 23.34 23.64 23.93	1.7441 1.7509 1.7576 1.7576 1.7642 1.7707 1.771 1.7833 1.7895 1.7956 1.8016 1.8075 1.8133 1.8191 1.8248 1.8304	1173.1 1178.0 1182.8 1187.7 1192.5 1197.3 1202.1 1206.8 1211.6 1216.4 1221.1 1225.9 1230.6 1235.3	19.17 19.45 19.74 20.03, 20.31 20.59 20.88 21.16 21.44 21.72 22.00 22.28 22.56 22.83	1.7455 1.7522 1.7588 1.7653 1.7717 1.7780 1.7842 1.7903 1.7963 1.8022 1.8080 1.8138 1.8195 1.8251	1172.8 1177.7 1182.6 1187.4 1192.2 1197.1 1201.9 1206.6 1211.4 1216.2 1220.9 1225.7 1230.4 1235.2	18.32 18.60 18.87 19.14 19.42 19.69 19.96 20.23 20.50 20.77 21.03 21.30 21.57 21.84	1.7403 1.7470 1.7561 1.7665 1.7791 1.7852 1.7912 1.7971 1.8030 1.8087 1.8144 1.8200	1172.6 1177.5 1182.3 1187.2 1192.0 1196.8 1201.6 1206.4 1211.2 1216.0 1220.8 1225.5 1230.3 1235.0	17.54 17.81 18.07 18.33 18.60 18.86 19.12 19.37 19.63 19.89 20.15 20.41 20.66 20.92	1.7352 1.7420 1.7486 1.7551 1.7615 1.7679 1.7741 1.7863 1.7863 1.7922 1.7981 1.8039 1.8096 1.8153	1172.3 1177.2 1182.1 1186.9 1191.8 1196.6 1201.4 1206.2 1211.0 1215.8 1220.6 1225.4 1230.1 1234.9
260, 270, 280, 290, 310, 320, 330, 340, 350, 360, 370, 380, 390,	20.10 20.40 20.70 20.99 21.29 21.58 21.88 22.17 22.47 22.76 23.05 23.34 23.64 23.93	1.7441 1.7509 1.7576 1.7642 1.7707 1.7771 1.7833 1.7895 1.7956 1.8016 1.8075 1.8133 1.8191 1.8248 1.8304	1173.1 1178.0 1182.8 1187.7 1192.5 1197.3 1202.1 1206.8 1211.6 1216.4 1221.1 1225.9 1230.6 1235.3	19.17 19.45 19.74 20.03, 20.31 20.59 20.88 21.16 21.44 21.72 22.00 22.28 22.56 22.83	1.7455 1.7522 1.7588 1.7653 1.7717 1.7780 1.7842 1.7903 1.7963 1.8022 1.8080 1.8138 1.8195 1.8251	1172.8 1177.7 1182.6 1187.4 1192.2 1197.1 1201.9 1206.6 1211.4 1216.2 1220.9 1225.7 1230.4 1235.2	18.32 18.60 18.87 19.14 19.42 19.69 19.96 20.23 20.50 20.77 21.03 21.57 21.84	1.7403 1.7470 1.7536 1.7605 1.7791 1.7852 1.7912 1.7971 1.8030 1.8087 1.8144 1.8200	1172.6 1177.5 1182.3 1187.2 1192.0 1196.8 1201.6 1206.4 1211.2 1216.0 1220.8 1225.5 1230.3 1235.0	17.54 17.81 18.07 18.33 18.60 18.86 19.12 19.37 19.63 19.89 20.15 20.41 20.66 20.92	1.7352 1.7420 1.74551 1.7551 1.7615 1.7679 1.7741 1.7803 1.7863 1.7922 1.7981 1.8039 1.8096 1.8153	1172.3 1177.2 1182.1 1186.9 1191.8 1196.6 1201.4 1206.2 1211.0 1215.8 1220.6 1225.4 1230.1 1234.9
260, 270, 280, 290, 310, 320, 330, 340, 360, 370, 380, 390, 400,	20.10 20.40 20.70 20.99 21.29 21.58 21.88 22.17 22.47 22.76 23.05 23.34 23.64 23.93	1.7441 1.7509 1.7576 1.7576 1.7642 1.7707 1.771 1.7833 1.7895 1.7956 1.8016 1.8075 1.8133 1.8191 1.8248 1.8304	1173.1 1178.0 1182.8 1187.7 1192.5 1197.3 1202.1 1206.8 1211.6 1216.4 1221.1 1225.9 1230.6 1235.3	19.17 19.45 19.74 20.03, 20.31 20.59 20.88 21.16 21.44 21.72 22.00 22.28 22.56 22.83	1.7455 1.7522 1.7588 1.7653 1.7717 1.7780 1.7842 1.7903 1.7963 1.8022 1.8080 1.8138 1.8195 1.8251	1172.8 1177.7 1182.6 1187.4 1192.2 1197.1 1201.9 1206.6 1211.4 1216.2 1220.9 1225.7 1230.4 1235.2	18.32 18.60 18.87 19.14 19.42 19.69 19.96 20.23 20.50 20.77 21.03 21.30 21.57 21.84	1.7403 1.7470 1.7536 1.7601 1.7665 1.7729 1.7791 1.7852 1.7971 1.8030 1.8087 1.8144 1.8200 1.8256 1.8524	1172.6 1177.5 1182.3 1187.2 1192.0 1196.8 1201.6 1206.4 1211.2 1216.0 1220.8 1225.5 1230.3 1235.0	17.54 17.81 18.07 18.33 18.60 18.86 19.12 19.37 19.63 19.89 20.15 20.41 20.66 20.92 21.17 22.44	1.7352 1.7420 1.7486 1.7551 1.7615 1.7679 1.7741 1.7863 1.7922 1.7981 1.8039 1.8039 1.8153 1.8208 1.8208	1172.3 1177.2 1182.1 1186.9 1191.8 1196.6 1201.4 1206.2 1211.0 1215.8 1220.6 1225.4 1230.1 1234.9
260, 270, 280, 290, 310, 320, 330, 340, 350, 360, 370, 380, 390,	20.10 20.40 20.70 20.99 21.29 21.58 21.88 22.17 22.47 22.76 23.05 23.34 23.64 23.93 24.22 25.67	1.7441 1.7509 1.7576 1.7642 1.7707 1.7771 1.7833 1.7895 1.7956 1.8016 1.8075 1.8133 1.8191 1.8248 1.8304 1.8359 1.8359	1173.1 1178.0 1182.8 1187.7 1192.5 1197.3 1202.1 1206.8 1211.6 1221.1 1225.9 1230.6 1235.3	19.17 19.45 19.74 20.03, 20.31 20.59 20.88 21.16 21.44 21.72 22.00 22.28 22.56 22.83	1.7455 1.7522 1.7588 1.7653 1.7717 1.7780 1.7963 1.7963 1.8022 1.8080 1.8138 1.8195 1.8251	1172.8 1177.7 1182.6 1187.4 1192.2 1197.1 1201.9 1206.6 1211.4 1216.2 1220.9 1225.7 1230.4 1235.2	18.32 18.60 18.87 19.14 19.42 19.69 19.96 20.23 20.50 20.77 21.03 21.30 21.57 21.84	1.7403 1.7470 1.7536 1.7601 1.7665 1.7729 1.7791 1.7852 1.7971 1.8030 1.8087 1.8144 1.8200 1.8256 1.8524	1172.6 1177.5 1182.3 1187.2 1192.0 1196.8 1201.6 1211.2 1216.0 1220.8 1225.5 1230.3 1235.0	17.54 17.81 18.07 18.33 18.60 18.86 19.12 19.37 19.63 19.89 20.15 20.41 20.66 20.92	1.7352 1.7420 1.74551 1.7551 1.7615 1.7679 1.7741 1.7803 1.7863 1.7922 1.7981 1.8039 1.8096 1.8153	1172.3 1177.2 1182.1 1186.9 1191.8 1196.6 1201.4 1206.2 1211.0 1215.8 1220.6 1225.4 1230.1 1234.9
260, 270, 280, 290, 310, 320, 330, 340, 350, 370, 380, 390, 400, 450, 500,	20.10 20.40 20.70 20.99 21.29 21.58 21.88 22.17 22.47 22.76 23.05 23.36 23.64 23.93 24.22 25.67 27.11	1.7441 1.7509 1.7576 1.7576 1.7642 1.7707 1.7771 1.7833 1.7895 1.8016 1.8075 1.8133 1.8133 1.8148 1.8304	1173.1 1178.0 1182.8 1187.7 1192.5 1197.3 1202.1 1206.8 1211.6 1216.4 1221.1 1225.9 1230.6 1235.3	19.17 19.45 19.74 20.03, 20.31 20.59 20.88 21.16 21.44 21.72 22.00 22.28 22.56 22.83 23.11 24.49 25.87	1.7455 1.7522 1.7588 1.7653 1.7717 1.7780 1.7963 1.7963 1.8022 1.8082 1.8138 1.8138 1.8195 1.8251	1172.8 1177.7 1182.6 1187.4 1192.2 1197.1 1201.9 1206.6 1211.4 1216.2 1220.9 1225.7 1230.4 1235.2	18.32 18.60 18.87 19.14 19.42 19.69 20.23 20.50 20.77 21.03 21.30 21.57 21.84 22.10 23.42 24.74	1.7403 1.7470 1.7536 1.7601 1.7665 1.7729 1.7791 1.7852 1.7971 1.8030 1.8087 1.8144 1.8200	1172.6 1177.5 1182.3 1187.2 1192.0 1196.8 1201.6 1210.2 1211.2 1216.0 1220.8 1235.5 1235.0	17.54 17.81 18.07 18.33 18.60 18.86 19.12 19.37 19.63 19.89 20.15 20.41 20.66 20.92 21.17 22.44 23.70	1.7352 1.7420 1.7486 1.7551 1.7615 1.7679 1.77803 1.7863 1.7922 1.7981 1.8039 1.8039 1.8036 1.8153	1172.3 1177.2 1182.1 1186.9 1191.8 1196.6 1201.4 1206.2 1211.0 1215.8 1220.4 1230.1 1234.9 1239.6 1263.4 1287.1
260, 270 280 290 310 320 330 340 360 370 380 390 400 450 550 550	20.10 20.40 20.70 20.99 21.29 21.58 21.88 22.17 22.47 22.47 23.05 23.34 23.64 23.93 24.22 25.67 27.11 28.54	1.7441 1.7509 1.7576 1.7576 1.7771 1.7833 1.7895 1.7956 1.8016 1.8075 1.8133 1.8191 1.8248 1.8304 1.8359 1.8626 1.8880	1173.1 1178.0 1182.8 1187.7 1192.5 1197.3 1202.1 1206.8 1211.6 1216.4 1221.1 1225.9 1230.6 1235.3	19.17 19.45 19.74 20.03, 20.31 20.59 20.88 21.16 21.44 21.72 22.00 22.28 22.56 22.83 23.11 24.49 25.87 27.24 28.61	1.7455 1.7522 1.7588 1.7653 1.7717 1.7780 1.7963 1.7963 1.8022 1.8080 1.8138 1.8195 1.8251 1.8307 1.8574 1.8828 1.8828	1172.8 1177.7 1182.6 1187.4 1192.2 1197.1 1201.9 1206.6 1211.4 1216.2 1220.9 1225.7 1230.4 1235.2 1239.9 1263.6 1287.3 1311.0	18.32 18.60 18.87 19.14 19.42 19.69 20.23 20.50 20.77 21.03 21.30 21.57 21.84 22.10 23.42 24.74 26.05	1.7403 1.7470 1.7536 1.7601 1.7665 1.7729 1.7791 1.7852 1.7912 1.8030 1.8087 1.8144 1.8200 1.8256 1.8778 1.8778	1172.6 1177.5 1182.3 1187.2 1192.0 1196.8 1201.6 1206.4 1211.2 1216.0 1220.8 1225.5 1230.3 1235.0	17.54 17.81 18.67 18.33 18.60 18.86 19.12 19.63 19.63 19.63 20.41 20.66 20.92 21.17 22.44 23.70 24.96	1.7352 1.7420 1.7486 1.7551 1.7615 1.7679 1.7741 1.7863 1.7863 1.8039 1.8096 1.8153 1.8208 1.8476 1.8730 1.8730 1.8730	1172.3 1177.2 1182.1 1186.9 1191.8 1196.6 1201.4 1206.2 1211.0 1215.8 1220.6 1225.4 1230.1 1234.9 1239.6 1239.6 1263.4 1287.1 1310.9
260, 270 280 290 310 320 330 340 850 370 380 390 450 550 600 650 700	20.10 20.40 20.70 20.99 21.29 21.58 21.188 22.17 22.47 22.76 23.05 23.36 23.36 23.64 23.93 24.22 25.67 27.11 28.54 29.97 31.40 32.82	1.7441 1.7509 1.7576 1.7576 1.7642 1.7707 1.7711 1.7833 1.7895 1.8016 1.8075 1.8133 1.8191 1.8248 1.8304 1.8359 1.8626 1.8880 1.9121 1.9352	1173.1 1178.0 1182.8 1187.7 1192.5 1197.3 1202.1 1216.4 1221.1 1225.9 1230.6 1235.3 1240.0 1263.7 1287.4 1311.1 1335.0 1383.2	19.17 19.45 19.74 20.03, 20.31 20.59 20.88 21.16 21.44 21.72 22.00 22.28 22.56 22.83 23.11 24.49 25.87 27.24 28.61	1.7455 1.7522 1.7588 1.7653 1.7717 1.7780 1.7963 1.7963 1.8022 1.8080 1.8138 1.8195 1.8251 1.837 1.8574 1.8582 1.9069 1.9300	1172.8 1177.7 1182.6 1187.4 1192.2 1197.1 1201.9 1211.4 1216.2 1220.9 1225.9 1235.2 1239.9 1263.6 1287.3 1311.0 1334.9 1359.0 1383.2	18.32 18.60 18.87 19.14 19.42 19.69 20.23 20.50 20.77 21.03 21.30 21.57 21.84 22.10 23.42 24.74 26.05 27.36 28.66 29.97	1.7403 1.7470 1.7536 1.7601 1.7665 1.7729 1.7791 1.7852 1.7971 1.8030 1.8087 1.8144 1.8200 1.8256 1.8524 1.8778 1.9019 1.9251 1.9473 1.9686	1172.6 1177.5 1182.3 1187.2 1192.0 1196.8 1201.6 1210.2 1211.2 1220.8 1225.5 1230.3 1235.0 1239.8 1263.5 1287.2 1311.0 1334.9 1358.9 1383.1	17.54 17.81 18.67 18.33 18.60 18.86 19.12 19.37 19.63 19.89 20.15 20.41 20.66 20.92 21.17 22.44 23.70 24.96 26.22 27.47 28.72	1.7352 1.7420 1.7486 1.7551 1.7615 1.7679 1.77803 1.7863 1.7982 1.7982 1.8039 1.8039 1.8036 1.8153 1.8208 1.8476 1.8730 1.8730 1.8730 1.8972 1.9204	1172.3 1177.2 1182.1 1186.9 1191.8 1196.6 1201.4 1206.2 1211.0 1215.8 1220.4 1230.1 1234.9 1239.6 1263.4 1287.1 1310.9 1334.8
260, 270 280 290 310 320 330 340 350 360 370 380 390 450 550 600 650	20.10 20.40 20.70 20.99 21.29 21.58 21.88 22.17 22.47 22.46 23.05 23.34 23.64 23.93 24.22 25.67 27.11 28.54 29.97 31.40	1.7441 1.7509 1.7576 1.7642 1.7707 1.771 1.7833 1.7895 1.7956 1.8016 1.8075 1.8191 1.8248 1.8359 1.83626 1.8826 1.8826 1.8826 1.8826 1.89121 1.9352	1173.1 1178.0 1182.8 1187.7 1192.5 1197.3 1202.1 1206.8 1211.6 1216.4 1221.1 1225.9 1230.6 1235.3 1240.0 1263.7 1287.4 1311.1 1335.0	19.17 19.45 19.74 20.03, 20.31 20.59 20.88 21.16 21.44 21.72 22.00 22.28 22.56 22.83 23.11 24.49 25.87 27.24 28.61	1.7455 1.7522 1.7588 1.7653 1.7717 1.7780 1.7963 1.7963 1.8022 1.8080 1.8138 1.8195 1.8251 1.8374 1.8574 1.8574 1.8828 1.9069 1.9300	1172.8 1177.7 1182.6 1187.4 1192.2 1197.1 1201.9 1206.6 1211.4 1216.2 1220.9 1225.7 1230.4 1235.2 1239.9 1263.6 1287.3 1311.0 1334.9 1359.0 1383.2 1407.6	18.32 18.60 18.87 19.14 19.42 19.69 19.96 20.23 20.50 20.77 21.03 21.57 21.84 22.10 23.42 24.74 26.05 27.36 28.66 29.97 31.27	1.7403 1.7470 1.7536 1.7601 1.7665 1.7729 1.7791 1.7852 1.7971 1.8030 1.8087 1.8144 1.8200 1.8256 1.8524 1.8778 1.9019 1.9251 1.9473 1.9686	1172.6 1177.5 1182.3 1187.2 1192.0 1196.8 1201.6 1211.2 1216.0 1220.8 1225.5 1230.3 1235.0 1239.8 1263.5 1334.9 1358.9 1358.9 1383.1 1407.6	17.54 17.81 18.07 18.33 18.60 18.86 19.12 19.37 19.63 19.89 20.15 20.41 20.66 20.92 21.17 22.44 23.70 24.96 26.22 27.47 28.72 29.96	1.7352 1.7420 1.7486 1.7551 1.7615 1.7679 1.77803 1.7863 1.7922 1.7981 1.8039 1.8039 1.8036 1.8153 1.8208 1.8476 1.8730 1.8972 1.9204	1172.3 1177.2 1182.1 1186.9 1191.8 1196.6 1201.4 1206.2 1211.0 1215.8 1220.6 1225.4 1230.1 1234.9 1239.6 1263.4 1287.1 1310.9 1334.8

Pres-		25 [240.1]	-		26 [242.2]			27 [244-3]			28 [246.4]	
Temp	▼	8	i	•		i	▼		i	▼	8	i
Sat.	16.32	1.7164	1162.1	15.73	1.7133	1162.8	15.18	1.7103	1163.6	14.67	1.7074	1164.3
250	16.57	1.7235	1167.0	15.92	1.7188	1166.7	15.32	1.7143	1166.4	14.76	1.7099	1166.1
260	16.83	1.7304	1172.0	16.17	1.7258	1171.7	15.56	1.7213	1171.4	14.99	1.7169	1171.1
270 280	17.08	1.7372	1176.9	16.41 16.66	1.7326	1176.6 1181.6	15.80	1.7281	1176.4	15.22	1.7238	1176.1
290	17.59	1.7504	1186.7	16.90	1.7458	1186.5	16.27	1.7414	1186.2	15.68	1.7371	1186.0
300	17.84	1.7568	1191.6	17.15	1.7523	1191.3	16.50 16.74	1.7479	1191.1	15.90	1.7436	1190.9
310 320	18.09 18.34	1.7632 1.7694	1196.4	17.39	1.7587 1.7649	1196.2 1201.0	16.97	1.7543	1196.0	16.13 16.35	1.7500	1195.7
330	18.59	1.7756	1206.1	17.87	1.7711	1205.9	17.20	1.7667	1205.7	16.58	1.7625	1205.5
340	18.84	1.7816	1210.9	18.11	1.7771	1210.7	17.43	1.7728	1210.5	16.80	1.7686	1210.3
350	19.09	1.7876	1215.7	18.35	1.7831	1215.5	17.66	1.7787	1215.3	17.02	1.7746	1215.1
360	19.34	1.7935	1220.4	18.58	1.7890	1220.3	17.89	1.7846	1220.1	17.24	1.7805	1219.9
370 380	19.58	1.7993 1.8050	1225.2	18.82 19.06	1.7948	1225.0	18.12 18.35	1.7905	1224.9	17.46	1.7863	1224.7
390	20.08	1.8106	1234.7	19.30	1.8061	1234.6	18.58	1.8018	1234.4	17.91	1.7977	1234.3
400	20.32	1.8162	1239.5	19.53	1.8117	1239.3	18.80	1.8074	1239.2	18.13	1.8033	1239.1
410	20.56	1.8217	1244.3	19.77	1.8172	1244.1	19.03	1.8129	1244.0	18.35	1.8088	1243.9
420	20.81 21.06	1.8271	1249.0	20.00	1.8227	1248.9	19.25	1.8184	1248.7	18.57 18.78	1.8143	1248.6
430 440	21.30	1.8325	1253.7	20.24 20.47	1.8334	1253.6	19.48 19.71	1.8291	1253.5 1258.3	19.00	1.8250	1253.4 1258.1
450	21.54	1.8430	1263.2	20.71	1.8386	1263.1	19.94	1.8344	1263.0	19.22	1.8303	1262.9
500	22.75	1.8684	1287.0	21.88	1.8640	1286.9	21.06	1.8598	1286.8	20.31	1.8557	1286.7
550	23.96	1.8926	1310.8	23.04	1.8882	1310.8	22.18	1.8840	1310.7	21.39	1.8800	1310.6
600 650	25.17 26.37	1.9158	1334.7 1358.8	24.20 25.35	1.9114	1334.7 1358.8	23.30 24.41	1.9072 1.9294	1334.6 1358.7	22.47 23.54	1.9032	1334.6
=	-		-33010	23.33		-33010	1		-55-7			
		29 [248.4]		-3.33	30 [250.3]			31 [252.2]			32 [254.0]	
Sat.	14.20	29	1165.0	13.76	30	1165.7	13.34	31	1166.3	12.95	32 [254.0]	1166.9
		29 [248.4]			30 [250.3]			31 [252.2]			32 [254.0]	
Sat. 260 270	14.20 14.46 14.68	29 [248.4] 1.7046 1.7128 1.7196	1165.0 1170.8 1175.8	13.76 13.97 14.18	30 [250.3] 1.7019 1.7088 1.7156	1165.7 1170.5 1175.5	13.34 13.50 13.71	31 [252.2] 1.6992 1.7049 1.7117	1166.3 1170.3 1175.3	12.95 13.07 13.28	32 [254-0] 1.6967 1.7011 1.7079	1166.9 1170.0 1175.0
Sat. 260 270 280	14.20 14.46 14.68 14.90	29 [248.4] 1.7046 1.7128 1.7196 1.7264	1165.0 1170.8 1175.8 1180.8	13.76 13.97 14.18 14.40	30 [250.3] 1.7019 1.7088 1.7156 1.7224	1165.7 1170.5 1175.5 1180.5	13.34 13.50 13.71 13.92	31 [252.2] 1.6992 1.7049 1.7117 1.7185	1166.3 1170.3 1175.3 1180.3	12.95 13.07 13.28 13.48	32 [254-0] 1.6967 1.7011 1.7079 1.7147	1166.9 1170.0 1175.0 1180.0
Sat. 260 270 280 290	14.20 14.46 14.68 14.90 15.13	29 [248.4] 1.7046 1.7128 1.7196 1.7264 1.7330	1165.0 1170.8 1175.8 1180.8 1185.7	13.76 13.97 14.18 14.40 14.61	30 [250.3] 1.7019 1.7088 1.7156 1.7224 1.7290	1165.7 1170.5 1175.5 1180.5 1185.5	13.34 13.50 13.71 13.92 14.13	31 [252.2] 1.6992 1.7049 1.7117 1.7185 1.7251	1166.3 1170.3 1175.3 1180.3 1185.3	12.95 13.07 13.28 13.48 13.68	32 [254.0] 1.6967 1.7011 1.7079 1.7147 1.7214	1166.9 1170.0 1175.0 1180.0 1185.0
Sat. 260 270 280 290	14.20 14.46 14.68 14.90 15.13	29 [248.4] 1.7046 1.7128 1.7196 1.7264 1.7330	1165.0 1170.8 1175.8 1180.8 1185.7	13.76 13.97 14.18 14.40 14.61	30 [250.3] 1.7019 1.7088 1.7156 1.7224 1.7290	1165.7 1170.5 1175.5 1180.5 1185.5	13.34 13.50 13.71 13.92 14.13	31 [252.2] 1.6992 1.7049 1.7117 1.7185 1.7251	1166.3 1170.3 1175.3 1180.3 1185.3	12.95 13.07 13.28 13.48 13.68	32 [254-0] 1.6967 1.7011 1.7079 1.7147 1.7214	1166.9 1170.0 1175.0 1180.0 1185.0
Sat. 260 270 280 290 300 310	14.20 14.46 14.68 14.90 15.13 15.35	29 [248.4] 1.7046 1.7128 1.7196 1.7264 1.7330 1.7395 1.7459	1165.0 1170.8 1175.8 1180.8 1185.7 1190.6 1195.5	13.76 13.97 14.18 14.40 14.61 14.82 15.04	30 [250.3] 1.7019 1.7088 1.7156 1.7224 1.7290 1.7355 1.7420	1165.7 1170.5 1175.5 1180.5 1185.5 1190.4 1195.3	13.34 13.50 13.71 13.92 14.13	31 [252.2] 1.6992 1.7049 1.7117 1.7185 1.7251 1.7317 1.7381	1166.3 1170.3 1175.3 1180.3 1185.3	12.95 13.07 13.28 13.48 13.68	32 [254-0] 1.6967 1.7011 1.7079 1.7147 1.7214 1.7280 1.7344	1166.9 1170.0 1175.0 1180.0 1185.0
Sat. 260 270 280 290	14.20 14.46 14.68 14.90 15.13	29 [248.4] 1.7046 1.7128 1.7196 1.7264 1.7330	1165.0 1170.8 1175.8 1180.8 1185.7	13.76 13.97 14.18 14.40 14.61	30 [250.3] 1.7019 1.7088 1.7156 1.7224 1.7290 1.7355 1.7420 1.7483	1165.7 1170.5 1175.5 1180.5 1185.5	13.34 13.50 13.71 13.92 14.13	31 [252.2] 1.6992 1.7049 1.7117 1.7185 1.7251	1166.3 1170.3 1175.3 1180.3 1185.3	12.95 13.07 13.28 13.48 13.68	32 [254-0] 1.6967 1.7011 1.7079 1.7147 1.7214	1166.9 1170.0 1175.0 1180.0 1185.0
Sat. 260 270 280 290 310 320	14.20 14.46 14.68 14.90 15.13 15.35 15.56	29 [248.4] 1.7046 1.7128 1.7196 1.7264 1.7330 1.7395 1.7459 1.7522	1165.0 1170.8 1175.8 1180.8 1185.7 1190.6 1195.5 1200.4	13.76 13.97 14.18 14.40 14.61 14.82 15.04	30 [250.3] 1.7019 1.7088 1.7156 1.7224 1.7290 1.7355 1.7420 1.7483	1165.7 1170.5 1175.5 1180.5 1185.5 1190.4 1195.3 1200.2	13.34 13.50 13.71 13.92 14.13 14.34 14.54	31 [252.2] 1.6992 1.7049 1.7117 1.7185 1.7251 1.7317 1.7381 1.7444	1166.3 1170.3 1175.3 1180.3 1185.3 1190.2 1195.1 1200.0	12.95 13.07 13.28 13.48 13.68 13.88 14.08	32 [254-0] 1.6967 1.7011 1.7079 1.7147 1.7214 1.7280 1.7344 1.7407	1166.9 1170.0 1175.0 1180.0 1185.0 1189.9 1194.9 1199.8
Sat. 260 270 280 290 310 320 330 340 350	14.20 14.46 14.68 14.90 15.13 15.35 15.56 15.78 16.00 16.21	29 [248.4] 1.7046 1.7128 1.7196 1.7264 1.7330 1.7395 1.7459 1.7522 1.7584 1.7645	1165.0 1170.8 1175.8 1180.8 1185.7 1190.6 1195.5 1200.4 1205.3 1210.1	13.76 13.97 14.18 14.40 14.61 14.82 15.04 15.25 15.46 15.67	30 [250.3] 1.7019 1.7088 1.7156 1.7224 1.7290 1.7355 1.7420 1.7483 1.7545 1.7606	1165.7 1170.5 1175.5 1180.5 1185.5 1190.4 1195.3 1200.2 1205.1 1209.9	13.34 13.50 13.71 13.92 14.13 14.34 14.54 14.75 15.15	31 [252.2] 1.6992 1.7049 1.7117 1.7185 1.7251 1.7317 1.7381 1.7444 1.7506 1.7568	1166.3 1170.3 1175.3 1180.3 1185.3 1190.2 1195.1 1200.0 1204.9 1209.7	12.95 13.07 13.28 13.48 13.68 14.08 14.08 14.28 14.48 14.67	32 [254.0] 1.6967 1.7011 1.7079 1.7147 1.7214 1.7280 1.7344 1.7407 1.7469 1.7531	1166.9 1170.0 1175.0 1180.0 1185.0 1189.9 1194.9 1199.8 1204.7 1209.5
Sat. 260 270 280 290 310 320 330 340 350 360	14.20 14.46 14.68 14.90 15.13 15.35 15.78 16.00 16.21 16.43 16.64	29 [248.4] 1.7046 1.7128 1.7196 1.7264 1.7335 1.7459 1.7522 1.7584 1.7645	1165.0 1170.8 1175.8 1180.8 1185.7 1190.6 1195.5 1200.4 1205.3 1210.1	13.76 13.97 14.18 14.40 14.61 14.82 15.04 15.25 15.46 15.67	30 [250.3] 1.7019 1.7088 1.7156 1.7224 1.7229 1.7355 1.7420 1.7483 1.7545 1.7606 1.7666 1.7725	1165.7 1170.5 1175.5 1180.5 1185.5 1190.4 1195.3 1200.2 1205.1 1209.9	13.34 13.50 13.71 13.92 14.13 14.34 14.54 14.75 15.15	31 [252.2] 1.6992 1.7049 1.7117 1.7185 1.7251 1.7317 1.7381 1.7444 1.7506 1.7568 1.7628 1.7628	1166.3 1170.3 1170.3 1180.3 1180.3 1190.2 1195.1 1200.0 1204.9 1209.7	12.95 13.07 13.28 13.48 13.68 14.28 14.28 14.67	32 [254.0] 1.6967 1.7011 1.7047 1.7214 1.7280 1.7344 1.7469 1.7531 1.7591 1.7550	1166.9 1170.0 1175.0 1180.0 1185.0 1189.9 1194.8 1204.7 1209.5
Sat. 260 270 280 290 310 320 330 340 360 370	14.20 14.46 14.68 14.90 15.13 15.35 15.56 15.78 16.00 16.21 16.43 16.64 16.86	29 [248.4] 1.7046 1.7128 1.7196 1.7264 1.7330 1.7395 1.7452 1.7584 1.7645 1.7705 1.77064 1.7782	1165.0 1170.8 1175.8 1180.8 1185.7 1190.6 1195.5 1200.4 1205.3 1210.1	13.76 13.97 14.18 14.40 14.61 15.25 15.26 15.26 15.67	30 [250.3] 1.7019 1.7088 1.7156 1.7224 1.7290 1.7355 1.7420 1.7545 1.7606 1.7666 1.7725 1.7784	1165.7 1170.5 1175.5 1180.5 1185.5 1190.4 1195.3 1200.2 1205.1 1209.9	13.34 13.50 13.71 13.92 14.13 14.34 14.54 14.54 14.95 15.15	31 [252.2] 1.6992 1.7049 1.7117 1.7185 1.7251 1.7317 1.7341 1.7506 1.7568 1.7688 1.7628 1.7687	1166.3 1170.3 1175.3 1180.3 1185.3 1190.2 1195.1 1200.0 1204.9 1209.7	12.95 13.07 13.28 13.48 13.68 14.08 14.08 14.48 14.67 14.87 15.06 15.26	32 [254.0] 1.6967 1.7011 1.7079 1.7147 1.7214 1.7280 1.7344 1.7407 1.7469 1.7531 1.7591 1.7590 1.7709	1166.9 1170.0 1175.0 1180.0 1185.0 1189.9 1194.9 1190.4 1204.7 1209.5
Sat. 260 270 280 290 310 320 330 340 350 360	14.20 14.46 14.68 14.90 15.13 15.35 15.78 16.00 16.21 16.43 16.64	29 [248.4] 1.7046 1.7128 1.7196 1.7264 1.7335 1.7459 1.7522 1.7584 1.7645	1165.0 1170.8 1175.8 1180.8 1185.7 1190.6 1195.5 1200.4 1205.3 1210.1	13.76 13.97 14.18 14.40 14.61 14.82 15.04 15.25 15.46 15.67	30 [250.3] 1.7019 1.7088 1.7156 1.7224 1.7290 1.7355 1.7420 1.7456 1.7666 1.7766 1.7766 1.7784 1.7784	1165.7 1170.5 1175.5 1180.5 1185.5 1190.4 1195.3 1200.2 1205.1 1209.9	13.34 13.50 13.71 13.92 14.13 14.34 14.54 14.75 15.15	31 [252.2] 1.6992 1.7049 1.7117 1.7185 1.7251 1.7317 1.7381 1.7444 1.7506 1.7568 1.7628 1.7628	1166.3 1170.3 1170.3 1180.3 1180.3 1190.2 1195.1 1200.0 1204.9 1209.7	12.95 13.07 13.28 13.48 13.68 14.28 14.28 14.67	32 [254.0] 1.6967 1.7011 1.7047 1.7214 1.7280 1.7344 1.7469 1.7531 1.7591 1.7550	1166.9 1170.0 1175.0 1180.0 1185.0 1189.9 1194.8 1204.7 1209.5
Sat. 260 270 280 310 320 330 340 350 370 380	14.20 14.46 14.68 14.90 15.13 15.35 15.78 16.00 16.21 16.43 16.64 16.86 17.07	29 [248.4] 1.7046 1.7128 1.7196 1.7264 1.7330 1.7395 1.7459 1.7584 1.7645 1.7705 1.7764 1.7823 1.7883	1165.0 1170.8 1175.8 1180.8 1185.7 1190.6 1195.5 1200.4 1205.3 1210.1 1214.9 1219.7 1224.6 1229.4	13.76 13.97 14.18 14.40 14.61 14.82 15.04 15.56 15.67 15.87 16.08 16.29 16.50	30 [250.3] 1.7019 1.7088 1.7156 1.7224 1.7290 1.7355 1.7420 1.7456 1.7666 1.7766 1.7766 1.7784 1.7784 1.7784	1165.7 1170.5 1175.5 1180.5 1185.5 1195.3 1200.2 1205.1 1209.9 1214.8 1219.6 1224.4 1229.2	13.34 13.50 13.71 13.92 14.13 14.34 14.75 14.95 15.15 15.56 15.76 15.96	31 [252.2] 1.6992 1.7049 1.7117 1.7185 1.7251 1.7381 1.7381 1.7506 1.7568 1.7568 1.7687 1.7746 1.7804	1166.3 1170.3 1175.3 1180.3 1185.3 1190.2 1195.1 1200.0 1204.9 1209.7 1214.6 1219.4 1224.2 1229.0	12.95 13.07 13.28 13.48 13.68 14.08 14.48 14.48 14.48 14.57 15.06 15.26 15.45	32 [254.0] 1.6967 1.7011 1.7079 1.7147 1.7214 1.7280 1.7344 1.7469 1.7531 1.7591 1.7650 1.7709 1.7767	1166.9 1170.0 1175.0 1185.0 1189.9 1194.9 1204.7 1209.5 1214.4 1219.2 1224.1 1228.9
Sat. 260 270 280 290 310 320 340 350 360 370 380 390 400 410	14.20 14.46 14.68 14.90 15.13 15.35 15.56 15.76 16.43 16.64 16.86 17.07 17.28	29 [248.4] 1.7046 1.7128 1.7196 1.7264 1.7330 1.7395 1.7459 1.7524 1.7764 1.7764 1.7823 1.7880 1.7937 1.7993 1.7993 1.8048	1165.0 1170.8 1175.8 1180.8 1185.7 1190.6 1195.5 1200.4 1205.3 1210.1 1214.9 1214.9 1229.4 1234.1 1238.9 1243.7	13.76 13.97 14.18 14.40 14.61 14.82 15.04 15.57 15.46 15.67 15.87 16.08 16.29 16.50 16.70	30 [250.3] 1.7019 1.7088 1.7156 1.7224 1.7290 1.7355 1.7420 1.7545 1.7545 1.7566 1.7784 1.7841 1.7898	1165.7 1170.5 1170.5 1180.5 1180.5 1190.4 1195.3 1200.2 1205.1 1209.9 1214.8 1219.6 1224.4 1229.2 1234.0 1238.8 1243.6	13.34 13.50 13.71 13.92 14.13 14.34 14.54 14.55 15.15 15.35 15.56 15.76 15.96 16.16	31 [252.2] 1.6992 1.7049 1.7117 1.7185 1.7251 1.7381 1.7384 1.7506 1.7568 1.7687 1.7746 1.7804 1.7804 1.7861	1166.3 1170.3 1175.3 1185.3 1185.3 1190.2 1195.1 1200.0 1204.9 1209.7 1214.6 1219.4 1224.2 1229.0 1233.8 1238.6 1243.4	12.95 13.07 13.28 13.48 13.68 14.08 14.48 14.67 15.06 15.26 15.45 15.65	32 [254.0] 1.6967 1.7011 1.7079 1.7147 1.7214 1.7280 1.7344 1.7469 1.7531 1.7591 1.7650 1.7767 1.7767 1.7824 1.7881 1.7936	1166.9 1170.0 1175.0 1185.0 1189.9 1194.9 1199.8 1204.7 1209.5 1214.4 1219.2 1224.1 1228.9 1233.7
Sat. 260 270 280 390 310 320 330 340 400 410 420	14.20 14.46 14.68 14.90 15.13 15.35 15.56 15.78 16.00 16.21 16.43 16.64 17.07 17.28	29 [248.4] 1.7046 1.7128 1.7196 1.7264 1.7330 1.7355 1.7459 1.7522 1.7584 1.7645 1.7764 1.7823 1.7880 1.7937	1165.0 1170.8 1175.8 1185.7 1190.6 1195.5 1200.4 1205.3 1210.1 1214.9 1219.7 1224.6 1229.4 1234.1 1238.9 1243.7	13.76 13.97 14.18 14.40 14.61 14.82 15.04 15.56 15.46 15.67 15.87 16.08 16.29 16.50 16.70	30 [250.3] 1.7019 1.7088 1.7156 1.7224 1.7290 1.7355 1.7420 1.7456 1.7666 1.7725 1.7784 1.7898 1.7898	1165.7 1170.5 1175.5 1185.5 1190.4 1195.3 1200.2 1205.1 1209.9 1214.8 1229.2 1234.0 1238.8 1243.6 1248.4	13.34 13.50 13.71 13.92 14.13 14.34 14.75 14.95 15.15 15.35 15.56 15.76 16.36 16.36 16.36 16.35 16.35	31 [252.2] 1.6992 1.7049 1.7117 1.7185 1.7251 1.7381 1.7444 1.7506 1.7568 1.7687 1.7746 1.7861 1.7861 1.7917 1.7917 1.7972 1.8027	1166.3 1170.3 1175.3 1180.3 1185.3 1190.2 1195.1 1200.0 1204.9 1209.7 1214.6 1219.4 1224.2 1229.0 1233.8	12.95 13.07 13.28 13.48 13.68 14.08 14.48 14.48 14.48 14.50 15.26 15.45 15.65	32 [254.0] 1.6967 1.7011 1.7079 1.7147 1.7214 1.7280 1.7344 1.7469 1.7531 1.7550 1.7769 1.7767 1.7824 1.7881 1.7936 1.7991	1166.9 1170.0 1175.0 1185.0 1189.9 1194.9 1294.7 1209.5 1214.4 1219.2 1224.1 1228.9 1233.7 1238.5 1243.3 1248.1
Sat. 260 270 280 290 310 320 340 350 360 370 380 390 400 410	14.20 14.46 14.68 14.90 15.13 15.35 15.56 15.76 16.43 16.64 16.86 17.07 17.28	29 [248.4] 1.7046 1.7128 1.7196 1.7264 1.7330 1.7395 1.7459 1.7524 1.7764 1.7764 1.7823 1.7880 1.7937 1.7993 1.7993 1.8048	1165.0 1170.8 1175.8 1180.8 1185.7 1190.6 1195.5 1200.4 1205.3 1210.1 1214.9 1214.9 1229.4 1234.1 1238.9 1243.7	13.76 13.97 14.18 14.40 14.61 14.82 15.04 15.57 15.46 15.67 15.87 16.08 16.29 16.50 16.70	30 [250.3] 1.7019 1.7088 1.7156 1.7224 1.7290 1.7355 1.7420 1.7545 1.7545 1.7566 1.7784 1.7841 1.7898	1165.7 1170.5 1170.5 1180.5 1180.5 1190.4 1195.3 1200.2 1205.1 1209.9 1214.8 1219.6 1224.4 1229.2 1234.0 1238.8 1243.6	13.34 13.50 13.71 13.92 14.13 14.34 14.54 14.55 15.15 15.35 15.56 15.76 15.96 16.16	31 [252.2] 1.6992 1.7049 1.7117 1.7185 1.7251 1.7381 1.7384 1.7506 1.7568 1.7687 1.7746 1.7804 1.7804 1.7861	1166.3 1170.3 1175.3 1185.3 1185.3 1190.2 1195.1 1200.0 1204.9 1209.7 1214.6 1219.4 1224.2 1229.0 1233.8 1238.6 1243.4	12.95 13.07 13.28 13.48 13.68 14.08 14.48 14.67 15.06 15.26 15.45 15.65	32 [254.0] 1.6967 1.7011 1.7079 1.7147 1.7214 1.7280 1.7344 1.7469 1.7531 1.7591 1.7650 1.7767 1.7767 1.7824 1.7881 1.7936	1166.9 1170.0 1175.0 1185.0 1189.9 1194.9 1199.8 1204.7 1209.5 1214.4 1219.2 1224.1 1228.9 1233.7
Sat. 260 270 280 290 310 320 340 350 360 370 440 420 430	14.20 14.46 14.68 14.90 15.13 15.35 15.56 15.78 16.00 16.21 16.43 16.64 17.07 17.28 17.50 17.71 17.92 18.13 18.34	29 [248.4] 1.7046 1.7128 1.7196 1.7264 1.7330 1.7529 1.7529 1.7584 1.7645 1.7764 1.7883 1.7880 1.7937 1.7993 1.8048 1.8103 1.8103 1.8103	1165.0 1170.8 1175.8 1180.8 1185.7 1190.6 1195.5 1200.4 1205.4 1214.9 1214.9 1214.9 1224.6 1229.4 1234.1 1238.9 1243.7 1248.5 1253.3 1258.0	13.76 13.97 14.18 14.40 14.61 15.25 15.24 15.25 15.46 15.67 15.87 16.08 16.29 16.50 16.70 16.91 17.11 17.32 17.52 17.73	30 [250.3] 1.7019 1.7088 1.7156 1.7224 1.7355 1.7428 1.7545 1.7606 1.7725 1.7784 1.7841 1.7898 1.7954 1.8010 1.8064 1.8118 1.8118	1165.7 1170.5 1170.5 1180.5 1180.5 1190.4 1195.3 1200.2 1205.1 1209.9 1214.8 1229.2 1234.0 1238.8 1243.6 1248.4 1253.1 1257.9	13.34 13.50 13.71 13.92 14.13 14.34 14.54 14.75 15.15 15.35 15.76 15.96 16.16 16.36 16.55 16.75 16.95 17.15	31 [252.2] 1.6992 1.7049 1.7117 1.7185 1.7251 1.7317 1.7344 1.7506 1.7568 1.7687 1.7746 1.7804 1.7804 1.7861 1.7917 1.8027 1.8027 1.8031 1.8134	1166.3 1170.3 1175.3 1180.3 1185.3 1190.2 1195.1 1200.0 1204.9 1209.7 1214.6 1224.2 1229.0 1233.8 1238.6 1243.4 1248.2 1253.0 1257.8	12.95 13.07 13.28 13.48 13.68 14.08 14.48 14.67 15.06 15.26 15.45 15.65 15.45 16.03 16.23 16.42 16.61	32 [254.0] 1.6967 1.7011 1.7079 1.7147 1.7214 1.7280 1.7344 1.7409 1.7531 1.7650 1.7767 1.7767 1.7824 1.7881 1.7936 1.7991 1.8045 1.8098	1166.9 1170.0 1175.0 1180.0 1189.9 1194.9 1190.5 1204.7 1209.5 1214.4 1219.2 1224.1 1228.9 1233.7 1238.5 1243.3 1248.1 1252.9 1257.7
Sat. 260 270 280 290 310 320 330 340 400 410 420 440	14.20 14.46 14.68 14.90 15.13 15.35 15.56 15.78 16.00 16.21 16.43 16.64 17.07 17.28 17.50 17.71 17.92 18.13	29 [248.4] 1.7046 1.7128 1.7196 1.7264 1.7330 1.7395 1.7459 1.7584 1.7645 1.7764 1.7823 1.7880 1.7937 1.7993 1.8048 1.8103 1.8157 1.8210	1165.0 1170.8 1175.8 1180.8 1185.7 1190.6 1195.5 1200.4 1205.3 1210.1 1214.9 1219.7 1224.6 1229.4 1238.9 1243.7 1248.5 1248.5 1248.5 1248.5	13.76 13.97 14.18 14.40 14.61 15.25 15.46 15.57 16.08 16.50 16.70 16.70 17.11 17.32	30 [250.3] 1.7019 1.7088 1.7156 1.7224 1.7290 1.7355 1.7420 1.7483 1.7545 1.7666 1.7725 1.7784 1.7898 1.7898 1.7898 1.7898 1.7898 1.818	1165.7 1170.5 1175.5 1185.5 1190.4 1195.3 1200.2 1205.1 1209.9 1214.8 1219.6 1224.4 1229.2 1234.0 1248.4 1248.4 1248.4 1248.4	13.34 13.50 13.71 13.92 14.13 14.34 14.75 14.75 15.15 15.56 15.76 15.96 16.36 16.36 16.55 16.75	31 [252.2] 1.6992 1.7049 1.7117 1.7185 1.7251 1.7317 1.7381 1.7444 1.7506 1.7568 1.7687 1.7746 1.7804 1.7804 1.7804 1.7807 1.7917 1.8027 1.8027 1.8027	1166.3 1170.3 1175.3 1185.3 1190.2 1195.1 1200.0 1204.9 1209.7 1214.6 1219.4 1224.2 1223.8 1233.8 1248.2 1243.4 1248.2 1253.0	12.95 13.07 13.28 13.48 13.68 14.08 14.28 14.48 14.67 15.06 15.26 15.45 15.65	32 [254-0] 1.6967 1.7011 1.7079 1.7147 1.7214 1.7280 1.7344 1.7469 1.7531 1.7650 1.7767 1.7824 1.7824 1.7836 1.7991 1.7991 1.7991 1.7991 1.7991 1.8045	1166.9 1170.0 1175.0 1185.0 1189.9 1194.9 1199.8 1204.7 1209.5 1214.4 1219.2 1224.1 1228.9 1233.7 1248.1 1248.1 1252.9
Sat. 260 270 280 390 330 340 450 440 450 550 550	14.20 14.46 14.68 14.90 15.13 15.35 15.56 16.00 16.21 16.43 16.64 17.07 17.28 17.50 17.71 17.92 17.50 17.71 17.92 18.13 18.34	29 [248.4] 1.7046 1.7128 1.7196 1.7264 1.7330 1.7395 1.7522 1.7584 1.7645 1.7705 1.7764 1.7823 1.7880 1.7937 1.8048 1.8157 1.8210	1165.0 1170.8 1175.8 1180.8 1185.7 1190.6 1195.5 1205.3 1210.1 1214.9 1219.7 1224.6 1229.4 1234.1 1238.9 1248.5 1253.3 1258.0 1262.8 1286.6 1310.5	13.76 13.97 14.18 14.40 14.61 15.25 15.46 15.25 15.46 15.67 16.88 16.29 16.50 16.70 16.91 17.11 17.32 17.73 17.93 18.95 19.96	30 [250.3] 1.7019 1.7088 1.7156 1.7252 1.7252 1.7420 1.7483 1.7545 1.7606 1.7725 1.7784 1.7898 1.7898 1.7954 1.8010 1.8010 1.8010 1.818 1.8172 1.8480 1.8181 1.8172	1165.7 1170.5 1175.5 1180.5 1185.5 1190.4 1195.3 1200.2 1205.1 1209.9 1214.8 1219.6 1224.4 1229.2 1234.0 1248.4 1248.4 1248.6 1248.5 1257.9 1262.7 1286.5 1310.4	13.34 13.50 13.71 13.92 14.13 14.34 14.75 14.95 15.15 15.35 15.56 15.76 15.96 16.16 16.36 16.55 16.75 16.95 17.15	31 [252.2] 1.6992 1.7049 1.7117 1.7185 1.7251 1.7317 1.7381 1.7444 1.7506 1.7568 1.7687 1.7746 1.7861 1.7861 1.7917 1.8027 1.8021 1.8021 1.8031 1.8134	1166.3 1170.3 1170.3 1180.3 1185.3 1190.2 1195.1 1200.0 1204.9 1209.7 1214.6 1219.4 1224.2 1229.0 1233.8 1248.2 1248.2 1253.0 1257.8 1262.6 1286.5 1310.4	12.95 13.07 13.28 13.48 13.68 14.08 14.07 14.87 15.06 15.26 15.45 15.65 15.65 15.65 15.65 15.84 16.03 16.23 16.61 16.80 17.76	32 [254.0] 1.6967 1.7011 1.70214 1.7214 1.7280 1.7344 1.7469 1.7531 1.7550 1.7767 1.7824 1.7881 1.7991 1.7824 1.7881 1.7991 1.8045 1.8045 1.8098	1166.9 1170.0 1175.0 1185.0 1189.9 1194.9 1199.8 1204.7 1209.5 1214.4 1219.2 1224.1 1228.9 1233.7 1238.5 1248.1 1252.9 1257.7 1262.5 1286.4 1310.3
Sat. 260 270 280 310 330 340 350 410 420 450 500 600	14.20 14.46 14.68 14.90 15.13 15.35 15.56 16.00 16.21 16.43 16.64 17.07 17.28 17.50 17.71 17.92 18.13 18.34 18.55 19.60 20.65 21.69	29 [248.4] 1.7046 1.7128 1.7196 1.7395 1.7539 1.7522 1.7584 1.7645 1.7764 1.7823 1.7880 1.7937 1.7937 1.8048 1.8163 1.8153 1.8210 1.8263 1.8518 1.8760 1.8263 1.8760 1.8992	1165.0 1170.8 1175.8 1180.8 1180.8 1185.7 1190.6 1195.5 1205.3 1210.1 1214.9 1214.9 1224.6 1229.4 1234.1 1238.9 1243.7 1248.5 1253.3 1253.3 1252.8 1262.8 1286.6 1310.5 1334.5	13.76 13.97 14.18 14.40 14.61 15.24 15.25 15.46 15.25 16.91 17.11 17.32 17.73 17.93 18.95 19.96 20.96	30 [250.3] 1.7019 1.7088 1.7156 1.7224 1.7229 1.7355 1.7420 1.7483 1.7545 1.7606 1.7725 1.7784 1.7841 1.7898 1.7954 1.8010 1.8010 1.8118 1.8172 1.8225 1.8480 1.8722 1.8955	1165.7 1170.5 1170.5 1180.5 1180.5 1190.4 1195.3 1200.2 1205.1 1209.9 1214.8 1229.2 1234.0 1238.8 1243.6 1248.4 1253.1 1257.9 1262.7 1286.5 1310.4 1334.4	13.34 13.50 13.71 13.92 14.13 14.34 14.54 14.75 15.15 15.35 15.76 15.96 16.16 16.36 16.55 16.75 16.95 17.15	31 [252.2] 1.6992 1.7049 1.7117 1.7185 1.7251 1.7317 1.7344 1.7506 1.7568 1.7687 1.746 1.7804 1.7861 1.7917 1.8081 1.8134 1.8134 1.8134 1.8134 1.8134 1.8134	1166.3 1170.3 1170.3 1180.3 1180.3 1190.2 1195.1 1200.0 1204.9 1209.7 1214.6 1219.4 1224.2 1229.0 1233.8 1238.6 1243.4 1248.2 1253.0 1257.8 1262.6 1286.5 1310.4 1334.4	12.95 13.07 13.28 13.48 13.68 14.08 14.07 14.87 15.06 15.26 15.45 15.65 15.45 16.03 16.23 16.61 16.80 17.71 19.65	32 [254.0] 1.6967 1.7011 1.7079 1.7147 1.7280 1.7344 1.7469 1.7531 1.7591 1.7650 1.7767 1.7824 1.7881 1.7936 1.7991 1.8045 1.8045 1.8098 1.8151 1.8407 1.8407 1.8407 1.8650 1.8848	1166.9 1170.0 1175.0 1180.0 1189.9 1194.9 1199.8 1204.7 1209.5 1214.4 1219.2 1224.1 1228.9 1233.7 1243.3 1248.1 1252.9 1257.7 1262.5 1286.4 1310.3 1314.3
Sat. 260 270 280 390 330 340 450 440 450 550 550	14.20 14.46 14.68 14.90 15.13 15.35 15.56 16.00 16.21 16.43 16.64 17.07 17.28 17.50 17.71 17.92 17.50 17.71 17.92 18.13 18.34	29 [248.4] 1.7046 1.7128 1.7196 1.7264 1.7330 1.7395 1.7522 1.7584 1.7645 1.7705 1.7764 1.7823 1.7880 1.7937 1.8048 1.8157 1.8210	1165.0 1170.8 1175.8 1180.8 1185.7 1190.6 1195.5 1205.3 1210.1 1214.9 1219.7 1224.6 1229.4 1234.1 1238.9 1248.5 1253.3 1258.0 1262.8 1286.6 1310.5	13.76 13.97 14.18 14.40 14.61 15.25 15.46 15.25 15.46 15.67 16.88 16.29 16.50 16.70 16.91 17.11 17.32 17.73 17.93 18.95 19.96	30 [250.3] 1.7019 1.7088 1.7156 1.7252 1.7252 1.7420 1.7483 1.7545 1.7606 1.7725 1.7784 1.7898 1.7898 1.7954 1.8010 1.8010 1.8010 1.818 1.8172 1.8480 1.8181 1.8172	1165.7 1170.5 1175.5 1185.5 1185.5 1190.4 1195.3 1200.2 1205.1 1209.9 1214.8 1229.2 1234.0 1224.4 1229.2 1234.0 1248.4 1253.1 1257.9 1262.7 1286.5 1310.4 1358.6	13.34 13.50 13.71 13.92 14.13 14.34 14.75 14.475 15.15 15.35 15.76 15.96 16.36 16.55 16.75 16.95 17.15	31 [252-2] 1.6992 1.7049 1.7117 1.7185 1.7251 1.7317 1.7381 1.7444 1.7506 1.7688 1.7687 1.7746 1.7804 1.7804 1.7801 1.8027 1.8027 1.8027 1.8031 1.803	1166.3 1170.3 1170.3 1180.3 1185.3 1190.2 1195.1 1200.0 1204.9 1209.7 1214.6 1219.4 1224.2 1229.0 1233.8 1248.2 1248.2 1253.0 1257.8 1262.6 1286.5 1310.4	12.95 13.07 13.28 13.48 13.68 14.08 14.07 14.87 15.06 15.26 15.45 15.65 15.65 15.65 15.65 15.84 16.03 16.23 16.61 16.80 17.76	32 [254.0] 1.6967 1.7011 1.70214 1.7214 1.7280 1.7344 1.7469 1.7531 1.7550 1.7767 1.7824 1.7881 1.7991 1.7824 1.7881 1.7991 1.8045 1.8045 1.8098	1166.9 1170.0 1175.0 1185.0 1189.9 1194.9 1199.8 1204.7 1209.5 1214.4 1219.2 1224.1 1228.9 1233.7 1238.5 1248.1 1252.9 1257.7 1262.5 1286.4 1310.3

Pres- sure		33 [255.8]			34 [257.6]			35 [259-3]			36 [260.9]	
Temp F.	▼		i	▼		i	▼		i	▼		i
Sat.	12.59	1.6942	1167.5	12.24	1.6918	1168.1	11.91	1.6895	1168.7	11.60	1.6873	1169.2
260 270	12.67	1.6974 1.7042	1169.7 1174.7	12.29	1.6938	1169.4 1174.4	11.92	1.6903	1169.1 1174.2	11.77	1.6937	1173.9
280	13.06	1.7110	1179.7	12.67	1.7074	1179.5	12.30	1.7039	1179.2	11.95	1.7006	1178.9
290	13.26	1.7177	1184.7	12.86	1.7141	1184.5	12.48		1184.2	12.13	1.7073	1184.0
300	13.45	1.7243	1189.7	13.05	1.7207	1189.5	12.67	1.7173	1189.2	12.31	1.7140	1189.0
310	13.65	1.7308	1194.6	13.24	1.7272	1194.4	12.85	1.7238	1194.2	12.49	1.7205	1193.9
320	13.84	1.7371	1199.5	13.42	1.7336	1199.3	13.03	1.7302	1199.1	12.66	1.7269	1198.9
330 340	14.03	1.7434 1.7495	1204.4	13.61	1.7399 1.7460	1204.2	13.22 13.40	1.7365	1204.0	12.84	1.7331	1203.8 1208.7
350	14.41	1.7556	1214.2	13.98	1.7521	1214.0	13.58	1.7487	1213.8	13.19	1.7454	1213.6
360	14.60	1.7615	1219.0	14:17	1.7581	1218.9	13.76		1218.7	13.37	1.7514	
370	14.79	1.7674	1223.9	14.35	1.7639	1223.7	13.94	1.7606	1223.6	13.54	1.7573	1223.4
380 390	14.98	1.7732	1228.7	14.53	1.7697	1228.6	14.12		1228.4	13.72 13.89	1.7631	1228.3 1233.1
			'.'		11.	1233.4						
400	15.36	1.7845	1238.3	14.90	1.7811	1238.2	14.47	1.7778	1238.1	14.06	1.7745	1238.0
410	15.54 15.73	1.7901	1243.2	15.08	1.7867	1243.0	14.65	1.7834	1242.9	14.24 14.41	1.7801	1242.8 1247.6
430	15.92	1.8010	1252.8	15.45	1.7976	1252.6	15.00	1.7943	1252.5	14.58	1.7911	1252.4
440	16.10	1.8064	1257.6	15.63	1.8030	1257.4	15.18	1.7997	1257.3	14.75	1.7965	1257.2
450	16.29	1.8117	1262.3	15.81	1.8083	1262.2	15.35	1.8050	1262.1	14.92	1.8018	1262.0
500	17.22	1.8373	1286.3	16.71	1.8339	1286.2	16.23	1.8306	1286.1	15.77	1.8274	1286.0
550	18.14 19.05	1.8616	1310.2	17.60 18.49	1.8582	1310.2	17.10	1.8550	1310.1 1334.1	16.62 17.46	1.8518	1310.0 1334.1
650	19.97	1.9071	1358.4	19.38	1.9038	1358.4	18.82	1.9006	1358.3	18.30	1.8974	1358.3
700	20.88	1.9286	1382.7	20.26	1.9252	1382.7	19.68	1.9221	1382.7	19.13	1.9189	1382.6
		37 [262.6]			38			39			40	
Sat.	11.31	1.6851	1169.8	11.03	[264.2]	1170.3	10.76	[265.7]	1170.8	10.51	[267.2] 1.6788	1171.3
			i -				1		·			
270 280	11.44 11.62	1.6903	1173.6	11.13	1.6871	1173.3	10.84	1.6839	1173.0	10.56	1.6808 1.6878	1172.7 1177.8
290		T 6072	1 TT7X 7			11/0.4	11.01				1.00/0	11//.0
-3~	11.79	1.6972 1.7040	1178.7	11.47	1.7008	1183.5	11.17	1.6977	1183.2	10.89	1.6946	1182.9
	11.79	1.7040	1183.7	11.47	1.7008	1183.5	•	• • •			1.6946	_
300 310							11.17	1.7044	1183.2 1188.2 1193.2	11.05		1182.9 1188.0 1193.0
300	11.79	1.7040 1.7107 1.7172 1.7236	1183.7 1188.7 1193.7 1198.7	11.47	1.7008 1.7075 1.7140 1.7204	1183.5	11.34 11.51 11.67	1.7044	1188.2 1193.2 1198.2	11.05	1.6946	1188.0
300 310 320 330	11.79 11.97 12.14 12.31 12.49	1.7040 1.7107 1.7172 1.7236 1.7299	1183.7 1188.7 1193.7 1198.7 1203.6	11.47 11.65 11.82 11.98 12.15	1.7008 1.7075 1.7140 1.7204 1.7267	1183.5 1188.5 1193.5 1198.5 1203.4	11.34 11.51 11.67 11.83	1.7044 1.7109 1.7173 1.7236	1188.2 1193.2 1198.2 1203.2	11.05 11.21 11.37 11.53	1.6946 1.7013 1.7079 1.7143 1.7207	1188.0 1193.0 1198.0 1203.0
300 310 320 330 340	11.79 11.97 12.14 12.31 12.49 12.66	1.7040 1.7107 1.7172 1.7236 1.7299 1.7361	1183.7 1188.7 1193.7 1198.7 1203.6 1208.6	11.47 11.65 11.82 11.98	1.7008 1.7075 1.7140 1.7204	1183.5 1188.5 1193.5 1198.5 1203.4 1208.4	11.34 11.51 11.67 11.83 12.00	1.7044 1.7109 1.7173 1.7236 1.7299	1188.2 1193.2 1198.2 1203.2 1208.2	11.05 11.21 11.37 11.53 11.69	1.6946 1.7013 1.7079 1.7143 1.7207 1.7269	1188.0 1193.0 1198.0 1203.0 1208.0
300 310 320 330 340	11.79 11.97 12.14 12.31 12.49 12.66	1.7040 1.7107 1.7172 1.7236 1.7299 1.7361	1183.7 1188.7 1193.7 1198.7 1203.6 1208.6	11.47 11.65 11.82 11.98 12.15 12.32	1.7008 1.7075 1.7140 1.7204 1.7267 1.7330	1183.5 1188.5 1193.5 1198.5 1203.4 1208.4	11.34 11.51 11.67 11.83 12.00	1.7044 1.7109 1.7173 1.7236 1.7299	1188.2 1193.2 1198.2 1203.2 1208.2	11.05 11.21 11.37 11.53 11.69	1.6946 1.7013 1.7079 1.7143 1.7207 1.7269	1188.0 1193.0 1198.0 1203.0 1208.0
300 310 320 330 340 350 360	11.79 11.97 12.14 12.31 12.49 12.66 12.83 13.00	1.7040 1.7107 1.7172 1.7236 1.7299 1.7361 1.7422 1.7482	1183.7 1188.7 1193.7 1198.7 1203.6 1208.6	11.47 11.65 11.82 11.98 12.15 12.32	1.7008 1.7075 1.7140 1.7204 1.7267 1.7330 1.7391 1.7451	1183.5 1188.5 1193.5 1198.5 1203.4 1208.4	11.34 11.51 11.67 11.83 12.00	1.7044 1.7109 1.7173 1.7236 1.7299	1188.2 1193.2 1198.2 1203.2 1208.2	11.05 11.21 11.37 11.53 11.69	1.6946 1.7013 1.7079 1.7143 1.7207 1.7269 1.7331 1.7391	1188.0 1193.0 1198.0 1203.0 1208.0
300 310 320 330 340 350 360 370	11.79 11.97 12.14 12.31 12.49 12.66 12.83 13.00 13.17	1.7040 1.7107 1.7172 1.7236 1.7299 1.7361 1.7422 1.7482 1.7541	1183.7 1188.7 1193.7 1198.7 1203.6 1208.6 1213.5 1218.3 1223.2	11.47 11.65 11.82 11.98 12.15 12.32 12.49 12.65 12.82	1.7008 1.7075 1.7140 1.7204 1.7267 1.7330 1.7391 1.7451 1.7510	1183.5 1188.5 1193.5 1198.5 1203.4 1208.4 1213.3 1218.2 1223.0	11.34 11.51 11.67 11.83 12.00 12.16 12.33 12.49	1.7044 1.7109 1.7173 1.7236 1.7299 1.7360 1.7421 1.7480	1188.2 1193.2 1198.2 1203.2 1208.2 1213.1 1218.0 1222.9	11.05 11.21 11.37 11.53 11.69 11.85 12.01	1.6946 1.7013 1.7079 1.7143 1.7207 1.7269 1.7331 1.7391 1.7450	1188.0 1193.0 1198.0 1203.0 1208.0 1212.9 1217.8 1222.7
300 310 320 330 340 350 360	11.79 11.97 12.14 12.31 12.49 12.66 12.83 13.00	1.7040 1.7107 1.7172 1.7236 1.7299 1.7361 1.7422 1.7482	1183.7 1188.7 1193.7 1198.7 1203.6 1208.6	11.47 11.65 11.82 11.98 12.15 12.32	1.7008 1.7075 1.7140 1.7204 1.7267 1.7330 1.7391 1.7451	1183.5 1188.5 1193.5 1198.5 1203.4 1208.4	11.34 11.51 11.67 11.83 12.00	1.7044 1.7109 1.7173 1.7236 1.7299	1188.2 1193.2 1198.2 1203.2 1208.2	11.05 11.21 11.37 11.53 11.69 11.85 12.01	1.6946 1.7013 1.7079 1.7143 1.7207 1.7269 1.7331 1.7391 1.7450	1188.0 1193.0 1198.0 1203.0 1208.0
300 310 320 330 340 350 360 370 380	11.79 11.97 12.14 12.31 12.49 12.66 12.83 13.00 13.17 13.34	1.7040 1.7107 1.7172 1.7236 1.7299 1.7361 1.7422 1.7482 1.7541 1.7600 1.7657	1183.7 1188.7 1193.7 1198.7 1203.6 1208.6 1213.5 1218.3 1223.2 1228.1 1232.9	11.47 11.65 11.82 11.98 12.15 12.32 12.49 12.65 12.82 12.99	1.7008 1.7075 1.7140 1.7204 1.7267 1.7330 1.7391 1.7451 1.7510 1.7569	1183.5 1188.5 1193.5 1198.5 1203.4 1208.4 1213.3 1218.2 1223.0 1227.9	11.34 11.51 11.67 11.83 12.00 12.16 12.33 12.49 12.65	1.7044 1.7109 1.7173 1.7236 1.7299 1.7360 1.7421 1.7480 1.7539	1188.2 1193.2 1198.2 1203.2 1208.2 1213.1 1218.0 1222.9 1227.8	11.05 11.21 11.37 11.53 11.69 11.85 12.01 12.17 12.33	1.6946 1.7013 1.7079 1.7143 1.7207 1.7269 1.7331 1.7391 1.7450 1.7509	1188.0 1193.0 1198.0 1203.0 1208.0 1212.9 1217.8 1222.7 1227.6
300 310 320 330 340 350 360 370 380 390 400 410	11.79 11.97 12.14 12.31 12.49 12.66 12.83 13.00 13.17 13.34 13.51	1.7040 1.7107 1.7236 1.7299 1.7361 1.7422 1.7482 1.7541 1.7600 1.7657 1.7714	1183.7 1188.7 1193.7 1198.7 1203.6 1208.6 1213.5 1218.3 1223.2 1228.1 1232.9	11.47 11.65 11.82 11.98 12.15 12.32 12.49 12.65 12.82 12.99 13.15	1.7008 1.7075 1.7140 1.7204 1.7267 1.7330 1.7391 1.7451 1.7569 1.7626 1.7683 1.7739	1183.5 1188.5 1193.5 1203.4 1208.4 1213.3 1218.2 1223.0 1227.9 1232.8	11.34 11.51 11.67 11.83 12.00 12.16 12.33 12.49 12.65 12.81	1.7044 1.7109 1.7173 1.7236 1.7299 1.7360 1.7421 1.7480 1.7539 1.7596	1188.2 1193.2 1198.2 1198.2 1208.2 1213.1 1218.0 1222.9 1227.8 1232.6	11.05 11.21 11.37 11.59 11.69 11.85 12.01 12.17 12.33 12.48	1.6946 1.7013 1.7079 1.7143 1.7207 1.7269 1.7331 1.7450 1.7509 1.7567 1.7624 1.7680	1188.0 1193.0 1198.0 1203.0 1208.0 1212.9 1217.8 1222.7 1227.6 1232.5
300 310 320 330 340 350 360 370 380 390 400 410 420	11.79 11.97 12.14 12.31 12.49 12.66 12.83 13.00 13.17 13.34 13.51 13.68 13.85 14.01	1.7040 1.7107 1.7172 1.7236 1.7299 1.7361 1.7422 1.7482 1.7541 1.7600 1.7657 1.7714 1.7770 1.7825	1183.7 1188.7 1193.7 1198.7 1203.6 1208.6 1213.5 1213.3 1223.2 1228.1 1232.9 1237.8 1242.6	11.47 11.65 11.82 11.98 12.15 12.32 12.49 12.65 12.82 12.99 13.15 13.31 13.48 13.64	1.7008 1.7075 1.7140 1.7204 1.7267 1.7330 1.7391 1.7451 1.7550 1.7626 1.7683 1.7739 1.7794	1183.5 1188.5 1193.5 1193.5 1203.4 1208.4 1213.3 1218.2 1223.0 1227.9 1232.8 1237.6 1242.5 1247.3	11.34 11.51 11.67 11.83 12.00 12.16 12.33 12.49 12.65 12.81 12.97 13.13 13.29	1.7044 1.7109 1.7173 1.7236 1.7299 1.7360 1.7421 1.7480 1.7539 1.7596 1.7653 1.7709 1.7764	1188.2 1193.2 1198.2 1203.2 1208.2 1213.1 1218.0 1222.9 1227.8 1232.6	11.05 11.21 11.37 11.53 11.69 11.85 12.01 12.17 12.33 12.48 12.64 12.80 12.96	1.7013 1.7079 1.7143 1.7207 1.7269 1.7331 1.7391 1.7450 1.7509 1.7567 1.7624 1.7680 1.7735	1188.0 1193.0 1198.0 1203.0 1208.0 1212.9 1217.8 1222.7 1227.6 1232.5 1237.3 1242.2
300 310 320 330 340 350 360 370 380 390 400 410	11.79 11.97 12.14 12.31 12.49 12.66 12.83 13.00 13.17 13.34 13.51	1.7040 1.7107 1.7236 1.7299 1.7361 1.7422 1.7482 1.7541 1.7600 1.7657 1.7714	1183.7 1188.7 1193.7 1198.7 1203.6 1208.6 1213.5 1218.3 1223.2 1228.1 1232.9	11.47 11.65 11.82 11.98 12.15 12.32 12.49 12.65 12.82 12.99 13.15	1.7008 1.7075 1.7140 1.7204 1.7267 1.7330 1.7391 1.7451 1.7569 1.7626 1.7683 1.7739	1183.5 1188.5 1193.5 1203.4 1208.4 1213.3 1218.2 1223.0 1227.9 1232.8	11.34 11.51 11.67 11.83 12.00 12.16 12.33 12.49 12.65 12.81	1.7044 1.7109 1.7173 1.7236 1.7299 1.7360 1.7421 1.7480 1.7539 1.7596	1188.2 1193.2 1198.2 1198.2 1208.2 1213.1 1218.0 1222.9 1227.8 1232.6	11.05 11.21 11.37 11.59 11.69 11.85 12.01 12.17 12.33 12.48	1.6946 1.7013 1.7079 1.7143 1.7207 1.7269 1.7331 1.7450 1.7509 1.7567 1.7624 1.7680	1188.0 1193.0 1198.0 1203.0 1208.0 1212.9 1217.8 1222.7 1227.6 1232.5
300 310 320 330 340 350 360 370 380 390 400 410 420 430	11.79 12.14 12.31 12.49 12.66 12.83 13.00 13.17 13.34 13.51 13.68 13.85 14.01 14.18	1.7040 1.7107 1.7172 1.7236 1.7299 1.7361 1.7422 1.7482 1.7541 1.7600 1.7657 1.7714 1.7770 1.7825 1.7879 1.7933	1183.7 1188.7 1193.7 1198.7 1203.6 1208.6 1213.5 1218.3 1223.2 1228.1 1232.9 1237.8 1242.6 1247.4 1252.3 1257.1	11.47 11.65 11.82 11.98 12.15 12.32 12.49 12.65 12.82 12.99 13.15 13.31 13.48 13.64 13.81 13.97	1.7008 1.7075 1.7140 1.7204 1.7267 1.7330 1.7391 1.7451 1.7569 1.7626 1.7626 1.7683 1.7794 1.7849 1.7903	1183.5 1188.5 1193.5 1193.5 1203.4 1213.3 1218.2 1223.0 1227.9 1232.8 1237.6 1242.5 1247.3 1256.9	11.34 11.51 11.67 11.83 12.00 12.16 12.33 12.49 12.65 12.81 12.97 13.13 13.29 13.45 13.61	1.7044 1.7109 1.7173 1.7236 1.7299 1.7360 1.7421 1.7480 1.7539 1.7596 1.7653 1.7709 1.7764 1.7819 1.7873	1188.2 1193.2 1203.2 1208.2 1213.1 1218.0 1222.9 1227.8 1237.5 1242.3 1247.2 1252.0 1256.8	11.05 11.21 11.37 11.53 11.69 11.85 12.01 12.17 12.33 12.48 12.64 12.80 12.96 13.12 13.27	1.6946 1.7013 1.7079 1.7143 1.7207 1.7269 1.7331 1.7450 1.7509 1.7567 1.7680 1.7735 1.7790 1.7844	1188.0 1193.0 1208.0 1212.9 1217.8 1222.7 1227.6 1232.5 1237.3 1242.2 1247.0 1251.9 1256.7
300 310 320 330 340 350 360 370 380 390 410 420 430 440	11.79 12.14 12.31 12.49 12.66 12.83 13.00 13.17 13.34 13.51 13.68 13.85 14.01 14.18	1.7040 1.7107 1.7172 1.7236 1.7299 1.7361 1.7422 1.7482 1.7540 1.7657 1.7714 1.7770 1.7714 1.7770 1.7825 1.7879	1183.7 1188.7 1193.7 1198.7 1203.6 1213.5 1213.3 1223.2 1228.1 1232.9 1237.8 1242.6 1247.4 1252.3	11.47 11.65 11.82 11.98 12.15 12.32 12.49 12.65 12.82 12.99 13.15 13.31 13.48 13.64 13.81	1.7008 1.7075 1.7140 1.7204 1.7267 1.7330 1.7451 1.7559 1.7569 1.7683 1.7794 1.7794 1.7849	1183.5 1193.5 1193.5 1203.4 1203.4 1213.3 1218.2 1223.0 1227.6 1242.5 1247.3 1252.1	11.34 11.51 11.67 11.83 12.00 12.16 12.33 12.45 12.65 12.81 12.97 13.13 13.29 13.45	1.7044 1.7109 1.7173 1.7236 1.7299 1.7360 1.7421 1.7480 1.7539 1.7596 1.7653 1.7709 1.7764 1.7819 1.7873	1188.2 1193.2 1198.2 1203.2 1208.2 1213.1 1218.0 1222.9 1227.8 1232.6	11.05 11.21 11.37 11.53 11.69 11.85 12.01 12.17 12.33 12.48 12.64 12.80 12.96 13.12	1.6946 1.7013 1.7079 1.7143 1.7207 1.7269 1.7331 1.7450 1.7509 1.7567 1.7624 1.7680 1.7735 1.7790	1188.0 1193.0 1198.0 1203.0 1208.0 1212.9 1217.8 1222.7 1227.6 1232.5 1237.3 1242.2 1247.0 1251.9
300 310 320 330 340 350 360 370 380 390 410 420 430 440 450 500 550	11.79 11.97 12.14 12.31 12.49 12.66 12.83 13.00 13.17 13.34 13.51 13.68 13.85 14.01 14.18 14.18 14.35	1.7040 1.7107 1.7172 1.7236 1.7299 1.7361 1.7422 1.7482 1.7541 1.7600 1.7657 1.7714 1.7772 1.7879 1.7833 1.7986 1.8243 1.8487	1183.7 1188.7 1193.7 1198.7 1203.6 1208.6 1213.5 1213.3 1223.2 1228.1 1232.9 1237.8 1242.6 1247.4 1252.3 1257.1	11.47 11.65 11.82 11.98 12.15 12.49 12.65 12.82 12.99 13.15 13.48 13.64 13.81 13.97	1.7008 1.7075 1.7140 1.7204 1.7267 1.7330 1.7391 1.7451 1.7510 1.7526 1.7626 1.7683 1.7794 1.7794 1.7849 1.7993 1.7956 1.8213 1.8457	1183.5 1188.5 1193.5 1203.4 1208.4 1213.3 1218.2 1223.0 1227.9 1232.8 1237.6 1242.5 1247.3 1252.1 1256.9	11.34 11.51 11.67 11.83 12.00 12.16 12.33 12.49 12.65 12.81 12.97 13.13 13.29 13.45 13.76 14.55 15.33	1.7044 1.7109 1.7173 1.7236 1.7299 1.7360 1.7421 1.7480 1.7539 1.7596 1.7653 1.7709 1.7764 1.7819 1.7873 1.7826 1.7838 1.78384 1.8428	1188.2 1193.2 1203.2 1208.2 1213.1 1218.0 1222.9 1227.8 1232.6 1237.5 1242.3 1247.2 1252.0 1256.8	11.05 11.21 11.37 11.53 11.69 11.85 12.01 12.17 12.33 12.48 12.64 12.80 12.96 13.12 13.27	1.6946 1.7013 1.7079 1.7143 1.7207 1.7269 1.7331 1.7391 1.7450 1.7567 1.7624 1.7680 1.7790 1.7844 1.7897 1.8155 1.8399	1188.0 1193.0 1203.0 1208.0 1212.9 1217.8 1222.7 1227.6 1232.5 1237.3 1242.2 1247.0 1251.9 1256.7
300 310 320 330 330 340 350 380 390 400 410 420 440 440 440 450 550 600	11.79 12.14 12.31 12.49 12.66 12.83 13.00 13.17 13.34 13.51 14.08 14.01 14.18 14.35	1.7040 1.7107 1.7172 1.7236 1.7299 1.7361 1.7422 1.7482 1.7541 1.7600 1.7657 1.7714 1.7770 1.7829 1.7933 1.7986 1.8243 1.8487 1.8720	1183.7 1188.7 1193.7 1198.7 1203.6 1208.6 1213.5 1223.2 1228.1 1232.9 1237.8 1242.6 1247.4 1252.3 1257.1 1261.9 1309.9 1309.9 1334.0	11.47 11.65 11.82 11.98 12.15 12.49 12.65 12.82 12.99 13.15 13.31 13.48 13.64 13.81 13.97 14.13 14.94 16.54	1.7008 1.7075 1.7140 1.7204 1.7267 1.7330 1.7391 1.7451 1.7510 1.7626 1.7626 1.7626 1.7638 1.7739 1.794 1.7849 1.7903 1.7956 1.8457 1.8457 1.8690	1183.5 1188.5 1193.5 1193.5 1203.4 1213.3 1218.2 1223.0 1227.9 1232.8 1237.6 1242.5 1242.5 1252.1 1256.9 1261.8 1285.8 1285.9	11.34 11.51 11.67 11.83 12.00 12.16 12.33 12.49 12.65 12.81 12.97 13.13 13.29 13.45 13.46 14.55 15.33 16.11	1.7044 1.7103 1.71236 1.7299 1.7360 1.7421 1.7480 1.7539 1.7596 1.7653 1.7709 1.7764 1.7819 1.7873 1.7873 1.7926 1.8184 1.8428 1.8428 1.84661	1188.2 1193.2 1203.2 1208.2 1213.1 1218.0 1222.9 1227.8 1237.5 1242.3 1247.2 1256.8 1261.7 1285.7 1285.7 1309.8 1333.9	11.05 11.21 11.37 11.53 11.69 11.85 12.01 12.17 12.33 12.48 12.64 12.80 12.96 13.12 13.42 14.19 14.19 14.19 15.71	1.76946 1.7013 1.7079 1.7143 1.7207 1.7269 1.7331 1.7450 1.7567 1.7680 1.77567 1.7684 1.7790 1.7844 1.7897 1.8155 1.8399 1.8633	1188.0 1193.0 1203.0 1208.0 1212.9 1217.8 1222.7 1227.6 1232.5 1237.3 1242.2 1247.0 1251.9 1256.7 1261.5 1285.6 7
300 310 320 330 340 350 360 370 380 390 410 420 430 440 450 500 650	11.79 11.97 12.14 12.31 12.49 12.66 12.83 13.00 13.17 13.34 13.51 13.68 13.85 14.01 14.18 14.18 14.35	1.7040 1.7107 1.7172 1.7236 1.7299 1.7361 1.7422 1.7482 1.7541 1.7600 1.7657 1.7714 1.7772 1.7879 1.7833 1.7986 1.8243 1.8487	1183.7 1188.7 1193.7 1198.7 1203.6 1203.6 1213.5 1218.3 1223.2 1228.1 1237.8 1247.4 1252.3 1257.1	11.47 11.65 11.82 11.98 12.15 12.32 12.49 12.65 12.82 13.15 13.31 13.48 13.64 13.97 14.13 14.94 15.74	1.7008 1.7075 1.7140 1.7204 1.7267 1.7330 1.7391 1.7451 1.7510 1.7526 1.7626 1.7683 1.7794 1.7794 1.7849 1.7993 1.7956 1.8213 1.8457	1183.5 1188.5 1193.5 1293.4 1203.4 1213.3 1218.2 1223.0 1227.9 1232.8 1247.3 1247.3 1252.1 1256.9	11.34 11.51 11.67 11.83 12.00 12.16 12.33 12.49 12.65 12.81 12.97 13.13 13.29 13.45 13.76 14.55 15.33	1.7044 1.7109 1.7173 1.7236 1.7299 1.7360 1.7421 1.7480 1.7539 1.7596 1.7653 1.7709 1.7764 1.7819 1.7873 1.7826 1.7838 1.78384 1.8428	1188.2 1193.2 1198.2 1203.2 1208.2 1213.1 1218.0 1222.9 1227.8 1237.5 1242.3 1247.2 1252.0 1256.8	11.05 11.21 11.37 11.53 11.69 11.85 12.01 12.17 12.33 12.48 12.64 12.86 12.96 13.12 13.27	1.6946 1.7013 1.7079 1.7143 1.7207 1.7269 1.7331 1.7391 1.7450 1.7567 1.7624 1.7680 1.7790 1.7844 1.7897 1.8155 1.8399	1188.0 1193.0 1203.0 1208.0 1212.9 1217.8 1222.7 1227.6 1232.5 1237.3 1242.2 1247.0 1251.9 1256.7
300 310 320 330 3340 350 360 370 380 390 400 410 420 430 440 440 450 550 600	11.79 12.14 12.31 12.49 12.66 12.83 13.00 13.17 13.34 13.51 14.08 14.01 14.18 14.35	1.7040 1.7107 1.7172 1.7236 1.7299 1.7361 1.7422 1.7482 1.7541 1.7600 1.7657 1.7714 1.7770 1.7829 1.7933 1.7986 1.8243 1.8487 1.8720	1183.7 1188.7 1193.7 1198.7 1203.6 1208.6 1213.5 1223.2 1228.1 1232.9 1237.8 1242.6 1247.4 1252.3 1257.1 1261.9 1309.9 1309.9 1334.0	11.47 11.65 11.82 11.98 12.15 12.49 12.65 12.82 12.99 13.15 13.31 13.48 13.64 13.81 13.97 14.13 14.94 16.54	1.7008 1.7075 1.7140 1.7204 1.7267 1.7330 1.7391 1.7451 1.7510 1.7626 1.7626 1.7626 1.7638 1.7739 1.794 1.7849 1.7903 1.7956 1.8457 1.8457 1.8690	1183.5 1188.5 1193.5 1193.5 1203.4 1213.3 1218.2 1223.0 1227.9 1232.8 1237.6 1242.5 1242.5 1252.1 1256.9 1261.8 1285.8 1285.9	11.34 11.51 11.67 11.83 12.00 12.16 12.33 12.49 12.65 12.81 12.97 13.13 13.29 13.45 13.46 14.55 15.33 16.11	1.7044 1.7103 1.71236 1.7299 1.7360 1.7421 1.7480 1.7539 1.7596 1.7653 1.7709 1.7764 1.7819 1.7873 1.7873 1.7926 1.8184 1.8428 1.8428 1.84661	1188.2 1193.2 1203.2 1208.2 1213.1 1218.0 1222.9 1227.8 1237.5 1242.3 1247.2 1256.8 1261.7 1285.7 1285.7 1309.8 1333.9	11.05 11.21 11.37 11.53 11.69 12.01 12.17 12.33 12.48 12.64 12.86 13.12 13.12 13.27 13.42 14.19 14.95 15.71 16.46	1.76946 1.7013 1.7079 1.7143 1.7207 1.7269 1.7331 1.7450 1.7567 1.7680 1.77567 1.7684 1.7790 1.7844 1.7897 1.8155 1.8399 1.8633	1188.0 1193.0 1203.0 1208.0 1212.9 1217.8 1222.7 1227.6 1232.5 1237.3 1242.2 1247.0 1251.9 1256.7 1261.5 1285.6 7

SUP		41 [268.7]			42 [270.2]			43 [271.6]			44 [273.0]	
Temp	₩		i	▼		i	₹		i	▼		i
Sat.	10.27	1.6768	1171.8	10.04	1.6749	1172.2	9.82	1.6730	1172.7	9.61	1.6712	1173.2
280 290	10.45 10.61	1.6848 1.6916	1177.6 1182.7	10.20	1.6818 1.6887	1177.3 1182.4	9.95	1.6789 1.6858	1177.0 1182.2	9.72 9.87	1.67 6 1 1.6830	1176.8
300 310	10.77	1.6983	1187.8	10.51	1.6954	1187.5	10.26	1.6926	1187.3	10.02	1.6898	1187.0 1192.1
320	11.09	1.7114	1197.8	10.82	1.7085	1197.6	10.56	1.7057	1197.4	10.32	1.7029	1197.1
330 340	11.25	1.7178	1202.8	10.97	1.7149	1202.6	10.71	1.7121	1202.4	10.46	1.7093 1.7156	1202.2
350	11.56	1.7301	1212.7	11.28	1.7273	1212.5	11.01	1.7245	1212.3	10.76	1.7218	1212.1
360 370	11.71	1.7362	1217.6	11.43	1.7334	1217.4	11.16	1.7306	1217.3	10.90	1.7279	1217.1
380	12.02	1.7480	1227.4	11.73	1.7452	1227.3	11.45	1.7425	1227.1	11.19	1.7398	1226.9
390	12.18	1.7538	1232.3	11.88	1.7510	1232.2	11.60	1.7483	1232.0	11.33	1.7456	1231.9
400	12.33	1.7595	1237.2	12.03	1.7567	1237.1	11.75	1.7540	1236.9	11.48	1.7513	1236.8
410 420	12.48	1.7651	1242.1	12.18	1.7623	1241.9	11.89	1.7596	1241.8	11.62	1.7569	1241.6
430	12.78	1.7762	1251.7	12.48	1.7734	1251.6	12.18	1.7707	1251.5	11.90	1.7680	1251.4
440	12.94	1.7816	1256.6	12.62	1.7788	1256.5	12.33	1.7761	1256.3	12.05	1.7734	1256.2
450	13.09	1.7869	1261.4	12.77	1.7841	1261.3	12.47	1.7814	1261.2	12.19	1.7788	1261.1
500	13.84	1.8127	1285.5	13.50	1.8100	1285.4	13.19	1.8073	1285.3	12.89	1.8047	1285.2
550	14.58 15.32	1.8371	1309.6	14.23	1.8344	1309.5	13.90	1.8318	1309.4	13.58	1.8292	1309.4
650	16.06	1.8829	1358.0	15.68	1.8802	1358.0	15.31	1.8776	1357.9	14.96	1.8750	1357.9
700	16.80	1.9044	1382.4	16.39	1.9017	1382.4	16.01	1.8991	1382.3	15.65	1.8965	1382.3
750	17.53	1.9251	1407.0	17.11	1.9224	1406.9	16.71	1.9198	1406.9	16.33	1.9173	1406.9
800	18.26	1.9452	1431.7	17.82	1.9425	1431.7	17.41	1.9399	1431.7	17.01	1.9373	1431.7
							<u>' </u>	<u>' </u>		<u> </u>	<u> </u>	<u> </u>
		45 [274.4]		<u> </u>	46 [275.8]			47 [277.1]			48 [278.4]	
Sat.	9.41		1173.6	9.22		1174.0	9.04		1174.4	8.86		1174.8
	- '	[274.4] 1.6694			[275.8] 1.6676			1.6659			[278.4] 1.6642	
Sat. 280 290	9.41 9.49 9.64	[274-4]	1173.6 1176.5 1181.7	9.22 9.28 9.43	[275.8]	1174.0 1176.2 1181.4	9.04 9.08 9.22	[277.1]	1174.4 1175.9 1181.1	8.86 8.90 9.03	[278.4]	1174.8 1175.7 1180.9
280	9.49	[274-4] 1.6694 1.6733	1176.5	9.28 9.43	[275.8] 1.6676 1.6706	1176.2	9.08	[277.1] 1.6659 1.6679	1175.9	8.90	[278.4] 1.6642 1.6653	1175.7
280 290 300 310	9.49 9.64 9.79 9.94	[274.4] 1.6694 1.6733 1.6802 1.6870 1.6937	1176.5 1181.7 1186.8 1191.9	9.28 9.43 9.57 9.71	[275.8] 1.6676 1.6706 1.6775 1.6843 1.6910	1176.2 1181.4 1186.5 1191.6	9.08 9.22 9.36 9.50	[277.1] 1.6659 1.6679 1.6749 1.6817 1.6884	1175.9 1181.1 1186.3 1191.4	8.90 9.03 9.16 9.30	[278.4] 1.6642 1.6653 1.6723 1.6791 1.6858	1175.7 1180.9 1186.0
280 290 300 310 320	9.49 9.64 9.79 9.94 10.08	[274.4] 1.6694 1.6733 1.6802 1.6870 1.6937 1.7002	1176.5 1181.7 1186.8 1191.9 1196.9	9.28 9.43 9.57 9.71 9.86	[275.8] 1.6676 1.6706 1.6775 1.6843 1.6910 1.6976	1176.2 1181.4 1186:5 1191.6 1196.7	9.08 9.22 9.36 9.50 9.64	[277.1] 1.6659 1.6679 1.6749 1.6817 1.6884 1.6949	1175.9 1181.1 1186.3 1191.4 1196.5	8.90 9.03 9.16 9.30 9.43	[278.4] 1.6642 1.6653 1.6723 1.6791 1.6858 1.6924	1175.7 1180.9 1186.0 1191.1 1196.2
280 290 300 310 320 330	9.49 9.64 9.79 9.94 10.08 10.23	[2744] 1.6694 1.6733 1.6802 1.6870 1.6937 1.7002 1.7066	1176.5 1181.7 1186.8 1191.9 1196.9 1202.0	9.28 9.43 9.57 9.71 9.86 10.00	[275.8] 1.6676 1.6706 1.6775 1.6843 1.6910 1.6976 1.7040	1176.2 1181.4 1186:5 1191.6 1196.7 1201.8	9.08 9.22 9.36 9.50 9.64 9.78	[277.1] 1.6659 1.6679 1.6749 1.6817 1.6884 1.6949 1.7014	1175.9 1181.1 1186.3 1191.4 1196.5 1201.5	8.90 9.03 9.16 9.30 9.43 9.57	[278.4] 1.6642 1.6653 1.6723 1.6791 1.6858 1.6924 1.6989	1175.7 1180.9 1186.0 1191.1 1196.2 1201.3
280 290 300 310 320	9.49 9.64 9.79 9.94 10.08 10.23	[2744] 1.6694 1.6733 1.6802 1.6870 1.6937 1.7002 1.7066 1.7129	1176.5 1181.7 1186.8 1191.9 1196.9 1202.0	9.28 9.43 9.57 9.71 9.86 10.00	[275.8] 1.6676 1.6706 1.6775 1.6843 1.6910 1.6976 1.7040 1.7103	1176.2 1181.4 1186:5 1191.6 1196.7 1201.8 1206.8	9.08 9.22 9.36 9.50 9.64 9.78 9.92	[277.1] 1.6659 1.6679 1.6749 1.6817 1.6884 1.6949 1.7014 1.7077	1175.9 1181.1 1186.3 1191.4 1196.5 1201.5	8.90 9.03 9.16 9.30 9.43 9.57 9.71	[278.4] 1.6642 1.6653 1.6723 1.6791 1.6858 1.6924 1.6989 1.7052	1175.7 1180.9 1186.0 1191.1 1196.2 1201.3 1206.4
280 290 300 310 320 330 340	9.49 9.64 9.79 9.94 10.08 10.23	[2744] 1.6694 1.6733 1.6802 1.6870 1.6937 1.7002 1.7066	1176.5 1181.7 1186.8 1191.9 1196.9 1202.0	9.28 9.43 9.57 9.71 9.86 10.00	[275.8] 1.6676 1.6706 1.6775 1.6843 1.6910 1.6976 1.7040	1176.2 1181.4 1186:5 1191.6 1196.7 1201.8	9.08 9.22 9.36 9.50 9.64 9.78	[277.1] 1.6659 1.6679 1.6749 1.6817 1.6884 1.6949 1.7014	1175.9 1181.1 1186.3 1191.4 1196.5 1201.5	8.90 9.03 9.16 9.30 9.43 9.57	[278.4] 1.6642 1.6653 1.6723 1.6791 1.6858 1.6924 1.6989	1175.7 1180.9 1186.0 1191.1 1196.2 1201.3
280 290 300 310 320 330 340 350 360 370	9.49 9.64 9.79 9.94 10.08 10.23 10.37 10.51 10.66 10.80	[274-4] 1.6694 1.6733 1.6802 1.6870 1.6937 1.7002 1.7066 1.7129 1.7191 1.7252 1.7312	1176.5 1181.7 1186.8 1191.9 1196.9 1202.0 1207.0	9.28 9.43 9.57 9.71 9.86 10.00 10.14 10.28 10.42 10.56	[275.8] 1.6676 1.6706 1.6775 1.6843 1.6910 1.6976 1.7040 1.7103 1.7165 1.7226 1.7286	1176.2 1181.4 1186:5 1191.6 1196.7 1201.8 1206.8 1211.8 1216.7	9.08 9.22 9.36 9.50 9.64 9.78 9.92 10.06 10.19	[277.1] 1.6659 1.6679 1.6749 1.6817 1.6884 1.6949 1.7014 1.7077 1.7139 1.7201 1.7261	1175.9 1181.1 1186.3 1191.4 1196.5 1201.5 1206.6	8.90 9.03 9.16 9.30 9.43 9.57 9.71 9.84 9.98	[278.4] 1.6642 1.6653 1.6723 1.6791 1.6858 1.6924 1.6989 1.7052 1.7114 1.7176 1.7236	1175.7 1186.0 1191.1 1196.2 1201.3 1206.4 1211.4 1216.4
280 290 310 320 330 340 350 360 370 380	9.49 9.64 9.79 9.94 10.08 10.37 10.51 10.66 10.80 10.94	[274-4] 1.6694 1.6733 1.6802 1.6870 1.7002 1.7002 1.7129 1.7121 1.7252 1.7312	1176.5 1181.7 1186.8 1191.9 1196.9 1202.0 1207.0 1211.9 1216.9 1221.8 1226.8	9.28 9.43 9.57 9.71 9.86 10.00 10.14 10.28 10.42 10.56 10.70	[275.8] 1.6676 1.6706 1.6775 1.6843 1.6910 1.7040 1.7103 1.7165 1.7226 1.7286 1.7345	1176.2 1181.4 1186.5 1191.6 1196.7 1201.8 1206.8 1211.8 1216.7 1221.7	9.08 9.22 9.36 9.50 9.64 9.78 9.92 10.06 10.19	[277.1] 1.6659 1.6679 1.6749 1.6817 1.6884 1.6949 1.7077 1.7139 1.7201 1.7220	1175.9 1181.1 1186.3 1191.4 1196.5 1201.5 1206.6 1211.6 1216.5 1221.5	8.90 9.03 9.16 9.30 9.43 9.57 9.71 9.84 9.98 10.11	[278.4] 1.6642 1.6653 1.6723 1.6791 1.6858 1.6924 1.7052 1.7114 1.7176 1.7236	1175.7 1180.9 1186.0 1191.1 1196.2 1201.3 1206.4 1211.4 1216.4 1221.3 1226.3
280 290 300 310 320 330 340 350 360 370 380 390	9.49 9.64 9.79 9.94 10.08 10.37 10.51 10.66 10.80 10.94 11.08	[274-4] 1.6694 1.6733 1.6802 1.6870 1.6937 1.7002 1.7066 1.7129 1.7191 1.7252 1.7312 1.7371 1.7429	1176.5 1181.7 1186.8 1191.9 1202.0 1207.0 1211.9 1221.8 1226.8 1231.7	9.28 9.43 9.57 9.71 9.86 10.00 10.14 10.28 10.56 10.70 10.83	[275.8] 1.6676 1.6706 1.6775 1.6843 1.6910 1.7040 1.7103 1.7165 1.7226 1.7226 1.7345 1.7345	1176.2 1181.4 1186.5 1191.6 1196.7 1201.8 1206.8 1211.8 1216.7 1221.7 1226.6 1231.5	9.08 9.22 9.36 9.50 9.64 9.78 9.92 10.06 10.19 10.33 10.46	[277.1] 1.6659 1.6679 1.6749 1.6817 1.6884 1.7014 1.7077 1.7139 1.7201 1.7320 1.7379	1175.9 1181.1 1186.3 1191.4 1196.5 1201.5 1206.6 1211.6 1216.5 1221.5 1226.4 1231.4	8.90 9.03 9.16 9.30 9.43 9.57 9.71 9.84 9.98 10.11 10.24	[278.4] 1.6642 1.6653 1.6723 1.6791 1.6858 1.6924 1.6989 1.7052 1.7114 1.7176 1.7236 1.7295 1.7354	1175.7 1186.9 1186.0 1191.1 1196.2 1201.3 1206.4 1211.4 1221.3 1226.3 1231.2
280 290 310 320 330 340 350 360 370 380 390	9.49 9.64 9.79 9.94 10.08 10.23 10.37 10.66 10.80 10.94 11.08	[274-4] 1.6694 1.6733 1.6802 1.6870 1.7096 1.7129 1.7191 1.7252 1.7371 1.7429 1.7487	1176.5 1181.7 1186.8 1191.9 1196.9 1202.0 1207.0 1211.9 1221.8 1226.8 1231.7	9.28 9.43 9.57 9.71 9.86 10.00 10.14 10.28 10.42 10.56 10.70 10.83	[275.8] 1.6676 1.6706 1.6775 1.6843 1.6976 1.7040 1.7103 1.7165 1.7286 1.7345 1.7404 1.7471	1176.2 1181.4 1186.5 1191.6 1196.7 1201.8 1206.8 1211.8 1216.7 1221.7 1226.6 1231.5	9.08 9.22 9.36 9.50 9.64 9.78 9.92 10.06 10.19 10.33 10.46 10.60	[277.1] 1.6659 1.6679 1.6749 1.6817 1.6884 1.6949 1.7074 1.7139 1.7201 1.7261 1.7320 1.7379	1175.9 1181.1 1186.3 1191.4 1196.5 1201.5 1206.6 1211.6 1221.5 1226.4 1231.4	8.90 9.03 9.16 9.30 9.43 9.57 9.71 9.84 9.98 10.11 10.24 10.37	[278.4] 1.6642 1.6653 1.6723 1.6791 1.6858 1.6924 1.7052 1.7114 1.7176 1.7236 1.7295 1.7354	1175.7 1186.9 1186.0 1191.1 1196.2 1201.3 1206.4 1211.4 1221.3 1226.3 1231.2
280 290 300 310 320 330 340 350 360 370 380 390	9.49 9.64 9.79 9.94 10.08 10.23 10.37 10.66 10.80 10.94 11.08	[274-4] 1.6694 1.6733 1.6802 1.6870 1.7002 1.7002 1.7129 1.7121 1.7252 1.7312 1.7371 1.7429 1.7487 1.7543	1176.5 1181.7 1186.8 1191.9 1196.9 1202.0 1207.0 1211.9 1216.9 1221.8 1226.8 1231.7	9.28 9.43 9.57 9.71 9.86 10.00 10.14 10.28 10.42 10.56 10.70 10.83	[275.8] 1.6676 1.6776 1.6775 1.6843 1.6910 1.7040 1.7103 1.7165 1.7226 1.7286 1.7345 1.7404 1.7471 1.7518	1176.2 1181.4 1186.5 1191.6 1196.7 1201.8 1206.8 1211.8 1216.7 1221.7 1226.6 1231.5	9.08 9.22 9.36 9.50 9.64 9.78 9.92 10.06 10.19 10.33 10.46 10.60	[277.1] 1.6659 1.6679 1.6749 1.6817 1.6884 1.7077 1.7139 1.7201 1.7201 1.7320 1.7379 1.7436 1.7493	1175.9 1181.1 1186.3 1191.4 1196.5 1201.5 1206.6 1211.6 1221.5 1226.4 1231.4	8.90 9.03 9.16 9.30 9.43 9.57 9.71 9.84 9.98 10.11 10.24 10.37	[278.4] 1.6642 1.6653 1.6723 1.6791 1.6858 1.6924 1.7052 1.7114 1.7176 1.7236 1.7295 1.7354	1175.7 1186.9 1186.0 1191.1 1196.2 1201.3 1206.4 1211.4 1221.3 1226.3 1231.2
280 290 310 320 330 340 350 360 370 380 390 400 410	9.49 9.64 9.79 9.94 10.08 10.23 10.37 10.66 10.80 10.94 11.08	[274-4] 1.6694 1.6733 1.6802 1.6870 1.7002 1.7002 1.7129 1.7121 1.7252 1.7312 1.7371 1.7429 1.7487 1.7543	1176.5 1181.7 1186.8 1191.9 1196.9 1202.0 1207.0 1211.9 1221.8 1226.8 1231.7	9.28 9.43 9.57 9.71 9.86 10.00 10.14 10.28 10.42 10.56 10.70 10.83	[275.8] 1.6676 1.6706 1.6775 1.6843 1.6976 1.7040 1.7103 1.7165 1.7286 1.7345 1.7404 1.7471	1176.2 1181.4 1186.5 1191.6 1196.7 1201.8 1206.8 1211.8 1216.7 1221.7 1226.6 1231.5	9.08 9.22 9.36 9.50 9.64 9.78 9.92 10.06 10.19 10.33 10.46 10.60	[277.1] 1.6659 1.6679 1.6749 1.6817 1.6884 1.6949 1.7074 1.7139 1.7201 1.7261 1.7320 1.7379	1175.9 1181.1 1186.3 1191.4 1196.5 1201.5 1206.6 1211.6 1221.5 1226.4 1231.4	8.90 9.03 9.16 9.30 9.43 9.57 9.71 9.84 9.98 10.11 10.24 10.37	[278.4] 1.6642 1.6653 1.6723 1.6791 1.6858 1.6924 1.7052 1.7114 1.7176 1.7236 1.7235 1.7354 1.7411 1.7468 1.7524	1175.7 1186.9 1186.0 1191.1 1196.2 1201.3 1206.4 1211.4 1221.3 1226.3 1231.2
280 290 310 320 330 340 350 360 370 380 390 400 410 420 430 440	9.49 9.64 9.79 9.94 10.08 10.37 10.51 10.66 10.80 10.94 11.08	[274-4] 1.6694 1.6733 1.6802 1.6870 1.7002 1.7066 1.7129 1.7191 1.7252 1.7312 1.7371 1.7429 1.7487 1.7543 1.7599	1176.5 1181.7 1186.8 1191.9 1196.9 1202.0 1227.0 1221.8 1226.8 1231.7 1236.6 1241.5 1246.4	9.28 9.43 9.57 9.71 9.86 10.00 10.14 10.28 10.42 10.56 10.70 10.83	[275.8] 1.6676 1.6706 1.6775 1.6843 1.6910 1.7040 1.7103 1.7165 1.7286 1.7286 1.7345 1.7404 1.7471 1.7518 1.7574	1176.2 1181.4 1186.5 1191.6 1196.7 1201.8 1206.8 1216.7 1221.7 1226.6 1231.5 1236.5 1241.4 1246.2	9.08 9.22 9.36 9.50 9.64 9.78 9.92 10.06 10.13 10.46 10.60	[277.1] 1.6659 1.6679 1.6749 1.6817 1.6884 1.7047 1.7139 1.7261 1.7261 1.7379 1.7436 1.7436 1.7436 1.7436 1.7436	1175.9 1181.1 1186.3 1191.4 1196.5 1201.5 1206.6 1211.6 1221.5 1226.4 1231.4 1236.3 1241.2 1246.1	8.90 9.03 9.16 9.30 9.43 9.57 9.71 9.84 9.98 10.11 10.24 10.37	[278.4] 1.6642 1.6653 1.6723 1.6791 1.6858 1.6924 1.7052 1.7114 1.7176 1.7236 1.7295 1.7354	1175.7 1180.9 1186.0 1191.1 1196.2 1201.3 1206.4 1211.4 1221.3 1221.3 1226.3 1231.2
280 : 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450	9.49 9.64 9.79 9.94 10.03 10.37 10.51 10.66 10.80 10.94 11.08 11.22 11.36 11.50 11.64 11.77	[274-4] 1.6694 1.6733 1.6802 1.6870 1.7002 1.7062 1.7062 1.7129 1.7129 1.7312 1.7371 1.7429 1.7487 1.7543 1.7599 1.7654 1.7708	1176.5 1181.7 1186.8 1191.9 1196.9 1202.0 1207.0 1211.9 1216.9 1221.8 1226.8 1231.7 1236.6 1241.5 1246.4 1251.2 1256.1	9.28 9.43 9.57 9.71 9.86 10.00 10.14 10.28 10.56 10.70 10.83 10.97 11.11 11.24 11.38 11.52	[275.8] 1.6676 1.6706 1.6775 1.6843 1.6910 1.7040 1.7103 1.7165 1.7226 1.7286 1.7345 1.7404 1.7518 1.7529 1.7683	1176.2 1181.4 1186.5 1191.6 1196.7 1201.8 1206.8 1216.7 1221.7 1226.6 1231.5 1236.5 1241.4 1246.2 1251.1 1256.0	9.08 9.22 9.36 9.50 9.64 9.78 9.92 10.06 10.13 10.46 10.60 10.73 11.00 11.13 11.27	[277.1] 1.6659 1.6679 1.6749 1.6817 1.6884 1.6949 1.7077 1.7139 1.7261 1.7320 1.7379 1.7436 1.7493 1.7549 1.7658 1.7712	1175.9 1181.1 1186.3 1191.4 1196.5 1201.5 1206.6 1211.6 1221.5 1226.4 1231.4 1236.3 1241.2 1246.1 1251.0 1255.8	8.90 9.03 9.16 9.30 9.43 9.57 9.71 9.84 9.98 10.11 10.24 10.37 10.51 10.64 10.77 10.90 11.03	[278.4] 1.6642 1.6653 1.6723 1.6791 1.6858 1.6924 1.7052 1.7114 1.7176 1.7236 1.7236 1.7354 1.7411 1.7468 1.7524 1.7529 1.7634	1175.7 1186.9 1186.0 1191.1 1196.2 1201.3 1206.4 1211.4 1216.4 1221.3 1226.3 1231.2 1231.2 1241.1 1246.0 1250.8 1255.7
280 290 310 330 330 340 360 360 370 380 390 400 410 420 430 440 500	9.49 9.64 9.79 9.94 10.08 10.37 10.51 10.66 10.80 10.94 11.36 11.50 11.64 11.77	[274-4] 1.6694 1.6733 1.6802 1.6870 1.7002 1.7066 1.7129 1.7191 1.7252 1.7317 1.7429 1.7487 1.7543 1.7599 1.7654 1.7708 1.7762 1.8021	1176.5 1181.7 1186.8 1191.9 1202.0 1207.0 1211.9 1221.8 1226.8 1231.7 1236.6 1241.5 1246.4 1251.2 1256.1	9.28 9.43 9.57 9.71 9.86 10.00 10.14 10.28 10.56 10.70 10.83 10.97 11.11 11.24 11.38 11.52	[275.8] 1.6676 1.6706 1.6775 1.6843 1.6910 1.7040 1.7103 1.7165 1.7286 1.7286 1.7345 1.7404 1.7471 1.7518 1.7574 1.7629 1.7683	1176.2 1181.4 1186.5 1191.6 1196.7 1201.8 1206.8 1216.7 1221.7 1221.5 1231.5 1236.5 1241.4 1246.2 1251.1 1256.0	9.08 9.22 9.36 9.50 9.64 9.78 9.92 10.06 10.13 10.46 10.60 10.73 11.00 11.13 11.27	[277.1] 1.6659 1.6679 1.6749 1.6817 1.6884 1.7047 1.7139 1.7261 1.7261 1.7320 1.7379 1.7436 1.7436 1.7549 1.7658 1.7712 1.77971	1175.9 1181.1 1186.3 1191.4 1196.5 1201.5 1206.6 1211.6 1216.5 1226.4 1231.4 1236.3 1241.2 1246.1 1251.0 1255.8	8.90 9.03 9.16 9.30 9.43 9.57 9.71 9.84 9.98 10.12 10.24 10.37 10.51 10.64 10.77 10.90 11.03	[278.4] 1.6642 1.6653 1.6723 1.6791 1.6858 1.6924 1.7052 1.7114 1.7176 1.7236 1.7295 1.7354 1.7411 1.7468 1.7579 1.7634 1.7688 1.7688 1.7947	1175.7 1186.0 1191.1 1196.2 1201.3 1206.4 1211.4 1221.3 1221.3 1221.2 1231.2 1231.2 1241.1 1246.0 1250.8 1255.7
280 : 290 310 320 330 340 350 360 370 380 390 400 410 450 550 550	9.49 9.64 9.79 9.94 10.08 10.37 10.51 10.66 10.80 11.08 11.22 11.36 11.50 11.64 11.77	[274-4] 1.6694 1.6733 1.6802 1.6870 1.7006 1.7129 1.7191 1.7252 1.7371 1.7429 1.7487 1.7543 1.7599 1.7654 1.7708 1.7762 1.8021 1.8266	1176.5 1181.7 1186.8 1191.9 1196.9 1207.0 1211.9 1221.8 1221.8 1231.7 1236.6 1241.5 1246.4 1251.2 1256.1 1261.0 1285.1	9.28 9.43 9.57 9.71 9.86 10.00 10.14 10.28 10.56 10.70 10.83 10.97 11.11 11.38 11.52	[275.8] 1.6676 1.6706 1.6775 1.6843 1.6910 1.7040 1.7103 1.7165 1.7226 1.7236 1.7345 1.7404 1.7518 1.75714 1.7529 1.7683 1.7737 1.7996 1.8241	1176.2 1181.4 1186.5 1191.6 1196.7 1201.8 1206.8 1211.8 1216.7 1221.7 1221.7 1231.5 1231.5 1241.4 1246.2 1251.1 1256.0	9.08 9.22 9.36 9.50 9.64 9.78 9.92 10.06 10.19 10.36 10.60 10.73 11.00 11.13 11.27	[277.1] 1.6659 1.6679 1.6749 1.6817 1.6884 1.7017 1.7139 1.7201 1.7221 1.7320 1.7379 1.7436 1.7436 1.7436 1.7658 1.7712 1.7971 1.8217	1175.9 1181.1 1186.3 1191.4 1196.5 1201.5 1206.6 1211.6 1221.5 1221.5 1221.4 1231.4 1231.4 1246.1 1255.8 1260.7 1285.0 1309.2	8.90 9.03 9.16 9.30 9.43 9.57 9.71 9.84 9.98 10.11 10.24 10.37 10.51 10.64 10.77 10.90 11.03	[278.4] 1.6642 1.6653 1.6791 1.6858 1.6924 1.6989 1.7052 1.7114 1.7176 1.7236 1.7295 1.7354 1.7468 1.7524 1.7524 1.7634 1.7688 1.7947 1.8193	1175.7 1186.0 1191.1 1196.2 1201.3 1206.4 1211.4 1221.3 1221.3 1226.3 1231.2 1241.1 1246.0 1250.8 1255.7
280 290 310 330 330 340 360 360 370 380 390 400 410 420 430 440 500	9.49 9.64 9.79 9.94 10.08 10.23 10.37 10.51 10.66 10.80 10.94 11.08 11.50 11.64 11.77 11.91 12.60 13.28 13.95	[274-4] 1.6694 1.6733 1.6802 1.6870 1.7066 1.7129 1.7191 1.7252 1.7371 1.7429 1.7487 1.7543 1.7599 1.7654 1.7708 1.7762 1.8021 1.8266 1.8500	1176.5 1181.7 1186.8 1191.9 11202.0 1207.0 1211.9 1221.8 1226.8 1231.7 1236.6 1241.5 1246.4 1251.2 1256.1 1261.0 1285.1 1309.3 1333.5	9.28 9.43 9.57 9.71 9.86 10.00 10.14 10.28 10.42 10.56 10.70 10.83 10.97 11.11 11.24 11.38 11.52 11.65 12.39 13.65	[275.8] 1.6676 1.6766 1.6775 1.6843 1.6910 1.703 1.7165 1.7226 1.7286 1.7345 1.7404 1.7518 1.7518 1.7574 1.7658 1.7737 1.7936 1.7737 1.7936 1.8241 1.8476	1176.2 1181.4 1186.5 1191.6 1196.7 1201.8 1206.8 1211.8 1216.7 1221.7 1226.6 1231.5 1241.4 1246.2 1251.1 1256.8 1250.8 1285.0 1309.2 1309.2	9.08 9.22 9.36 9.50 9.54 9.78 9.92 10.06 10.19 10.87 11.00 11.13 11.27 11.40 12.06	[277.1] 1.6659 1.6679 1.6749 1.6817 1.6884 1.7014 1.7077 1.7139 1.7201 1.7261 1.7320 1.7436 1.7493 1.7564 1.7658 1.7712 1.7712 1.7912 1.8217	1175.9 1181.1 1186.3 1191.4 1196.5 1201.5 1206.6 1211.6 1221.5 1226.4 1231.4 1236.3 1241.2 1241.2 1255.8 1260.7 1285.0 1309.2 1309.2	8.90 9.03 9.16 9.30 9.43 9.57 9.71 9.84 9.98 10.11 10.24 10.37 10.51 10.64 10.77 10.90 11.03 11.16 11.80 12.44 13.08	[278.4] 1.6642 1.6653 1.6723 1.6791 1.6858 1.6924 1.6989 1.7052 1.7114 1.7176 1.7236 1.7295 1.7354 1.7411 1.7468 1.7524 1.7524 1.7634 1.7688 1.7634 1.7688 1.7634 1.7688 1.7634 1.7688	1175.7 1186.9 1186.0 1191.1 1196.2 1201.3 1206.3 1221.4 1221.3 1226.3 1231.2 1236.2 1241.1 1246.0 1250.8 1255.7 1260.6 1284.9 1309.1 1309.1
280 290 310 330 330 340 350 360 370 380 390 400 410 420 430 440 450 500 650	9.49 9.64 9.79 9.94 10.08 10.23 10.37 10.51 10.66 10.80 11.08 11.22 11.36 11.50 11.64 11.77 11.91 12.60 13.28 13.95 14.63	[274-4] 1.6694 1.6733 1.6802 1.6870 1.7002 1.7066 1.7129 1.7191 1.7252 1.7312 1.7312 1.7321 1.7429 1.7543 1.7599 1.7654 1.7708 1.7762 1.8021 1.8266 1.8500 1.8725	1176.5 1181.7 1186.8 1191.9 1202.0 1207.0 1211.9 1221.8 1226.8 1231.7 1236.6 1241.5 1246.4 1251.2 1256.1 1261.0 1285.1 1309.3 1333.5 1357.8	9.28 9.43 9.57 9.71 9.86 10.00 10.14 10.28 10.42 10.56 10.70 10.83 10.97 11.11 11.24 11.38 11.52 11.65 12.32 12.99 13.65 14.31	[275.8] 1.6676 1.6706 1.6775 1.6843 1.6910 1.7040 1.7103 1.7126 1.7286 1.7286 1.7286 1.7345 1.7404 1.7471 1.7518 1.7574 1.7629 1.7683 1.7737 1.7996 1.8241 1.8476 1.8700	1176.2 1181.4 1186.5 1191.6 1196.7 1201.8 1216.8 1221.7 1221.7 1226.6 1231.5 1241.4 1246.2 1251.1 1256.0 1260.8 1285.0 1309.2 1333.5 1357.8	9.08 9.22 9.36 9.50 9.64 9.78 9.92 10.06 10.19 10.33 10.46 10.60 11.13 11.27 11.40 12.06 12.71 13.36 14.00	[277.1] 1.6659 1.6679 1.6749 1.6817 1.6884 1.7017 1.7261 1.7261 1.7320 1.7379 1.7436 1.7436 1.7493 1.7549 1.7658 1.7712 1.7971 1.8217 1.8452 1.8676	1175.9 1181.1 1186.3 1191.4 1196.5 1201.5 1206.6 1211.6 1221.5 1226.4 1231.4 1236.3 1241.2 1246.1 1255.8 1260.7 1285.0 1309.2 1333.4 1357.7	8.90 9.03 9.16 9.30 9.43 9.57 9.71 9.84 9.98 10.11 10.24 10.37 10.51 10.64 10.77 10.90 11.03 11.16 11.80 12.44 13.08 13.71	[278.4] 1.6642 1.6653 1.6723 1.6791 1.6858 1.6924 1.7052 1.7114 1.7176 1.7236 1.7235 1.7354 1.7411 1.7468 1.7524 1.7579 1.7634 1.7688 1.7947 1.8193 1.8428 1.8652	1175.7 1186.0 1191.1 1196.2 1201.3 1206.4 1211.4 1221.3 1226.3 1231.2 1231.2 1241.1 1246.0 1250.8 1255.7 1260.6 1284.9 1309.1 1333.3 1357.6
280 290 310 330 330 340 350 360 360 370 380 390 400 410 420 430 440 450 550 650 700	9.49 9.64 9.79 9.94 10.08 10.37 10.51 10.66 10.80 10.94 11.22 11.36 11.50 11.64 11.77 11.91 12.60 13.28 13.95 14.63	[274-4] 1.6694 1.6733 1.6802 1.6870 1.7002 1.7066 1.7129 1.7191 1.7252 1.7311 1.7429 1.7543 1.7593 1.7654 1.7708 1.7762 1.8266 1.8500 1.8725 1.8940	1176.5 1181.7 1186.8 1191.9 1196.9 1207.0 1211.9 1221.8 1221.8 1231.7 1236.6 1241.5 1246.4 1251.2 1256.1 1261.0 1285.1 1309.3 1333.5 1357.8	9.28 9.43 9.57 9.71 9.86 10.00 10.14 10.28 10.42 10.56 10.70 10.83 10.97 11.11 11.24 11.38 11.52 11.65 12.32 12.99 13.65 14.31 14.97	[275.8] 1.6676 1.6706 1.6775 1.6843 1.6910 1.7040 1.7103 1.7165 1.7226 1.7226 1.7345 1.7404 1.7471 1.7518 1.7574 1.7629 1.7683 1.7737 1.7996 1.8241 1.8476 1.8700 1.8915	1176.2 1181.4 1186.5 1191.6 1196.7 1201.8 1206.8 1211.8 1216.7 1221.7 1221.7 1231.5 1236.5 1241.4 1246.2 1251.1 1256.0 1260.8 1285.0 1309.2 1333.5 1357.8	9.08 9.22 9.36 9.50 9.64 9.78 9.92 10.06 10.13 10.46 10.60 11.13 11.27 11.40 12.06 12.71 13.36 14.00	[277.1] 1.6659 1.6679 1.6749 1.6817 1.6884 1.7047 1.7139 1.7201 1.7261 1.7320 1.7379 1.7436 1.7549 1.7658 1.7712 1.7971 1.8217 1.8452 1.8676 1.8891	1175.9 1181.1 1186.3 1191.4 1196.5 1201.5 1201.5 1221.5 1221.5 1221.4 1231.4 1236.3 1241.2 1246.1 1251.0 1255.8 1260.7 1285.0 1309.2 1333.4 1357.7	8.90 9.03 9.16 9.30 9.43 9.57 9.71 9.84 9.98 10.11 10.24 10.37 10.51 10.64 10.77 10.90 11.03 11.16 11.80 12.44 13.08 13.71	[278.4] 1.6642 1.6653 1.6723 1.6791 1.6858 1.6924 1.7052 1.7114 1.7176 1.7236 1.7235 1.7354 1.7411 1.7468 1.7579 1.7634 1.7688 1.7947 1.8193 1.8428 1.8652 1.8868	1175.7 1186.0 1191.1 1196.2 1201.3 1206.4 1211.4 1221.3 1221.3 1221.2 1231.2 1231.2 1241.1 1246.0 1250.8 1255.7 1260.6 1284.9 1309.1 1333.3 1357.6
280 290 310 330 330 340 350 360 370 380 390 400 410 420 430 440 450 500 650	9.49 9.64 9.79 9.94 10.08 10.23 10.37 10.51 10.66 10.80 11.08 11.22 11.36 11.50 11.64 11.77 11.91 12.60 13.28 13.95 14.63	[274-4] 1.6694 1.6733 1.6802 1.6870 1.7002 1.7066 1.7129 1.7191 1.7252 1.7312 1.7312 1.7321 1.7429 1.7543 1.7599 1.7654 1.7708 1.7762 1.8021 1.8266 1.8500 1.8725	1176.5 1181.7 1186.8 1191.9 1202.0 1207.0 1211.9 1221.8 1226.8 1231.7 1236.6 1241.5 1246.4 1251.2 1256.1 1261.0 1285.1 1309.3 1333.5 1357.8	9.28 9.43 9.57 9.71 9.86 10.00 10.14 10.28 10.42 10.56 10.70 10.83 10.97 11.11 11.24 11.38 11.52 11.65 12.32 12.99 13.65 14.31	[275.8] 1.6676 1.6706 1.6775 1.6843 1.6910 1.7040 1.7103 1.7126 1.7286 1.7286 1.7286 1.7345 1.7404 1.7471 1.7518 1.7574 1.7629 1.7683 1.7737 1.7996 1.8241 1.8476 1.8700	1176.2 1181.4 1186.5 1191.6 1196.7 1201.8 1216.8 1221.7 1221.7 1226.6 1231.5 1241.4 1246.2 1251.1 1256.0 1260.8 1285.0 1309.2 1333.5 1357.8	9.08 9.22 9.36 9.50 9.64 9.78 9.92 10.06 10.19 10.33 10.46 10.60 11.13 11.27 11.40 12.06 12.71 13.36 14.00	[277.1] 1.6659 1.6679 1.6749 1.6817 1.6884 1.7017 1.7261 1.7261 1.7320 1.7379 1.7436 1.7436 1.7493 1.7549 1.7658 1.7712 1.7971 1.8217 1.8452 1.8676	1175.9 1181.1 1186.3 1191.4 1196.5 1201.5 1206.6 1211.6 1221.5 1226.4 1231.4 1236.3 1241.2 1246.1 1255.8 1260.7 1285.0 1309.2 1333.4 1357.7	8.90 9.03 9.16 9.30 9.43 9.57 9.71 9.84 9.98 10.11 10.24 10.37 10.51 10.64 10.77 10.90 11.03 11.16 11.80 12.44 13.08 13.71	[278.4] 1.6642 1.6653 1.6723 1.6791 1.6858 1.6924 1.7052 1.7114 1.7176 1.7236 1.7235 1.7354 1.7411 1.7468 1.7524 1.7579 1.7634 1.7688 1.7947 1.8193 1.8428 1.8652	1175.7 1186.0 1191.1 1196.2 1201.3 1206.4 1211.4 1221.3 1226.3 1231.2 1231.2 1241.1 1246.0 1250.8 1255.7 1260.6 1284.9 1309.1 1333.3 1357.6

Pres- sure		49 [279.7]			50 [281.0]			51 [282.3]			52 [283.5]	
Temp F.	₩		i	▼		i	▼		i	▼		i
Sat.	8.69	1.6625	1175.2	8.53	1.6609	1175.6	8.37	1.6593	1176.0	8.22	1.6577	1176.4
290	8.83	1.6697	1180.6	8.65	1.6672	1180.3	8.47	1.6647	1180.1	8.31	1.6623	1179.8
300	8.97	1.6766	1185.8	8.78	1.6741	1185.5	8.60	1.6716	1185.3	8.43	1.6692	1185.0
310	9.10	1.6833	1190.9	8.91	1.6808	1190.7	8.73	1.6784	1190.4	8.56	1.6760	1190.2
320	9.24	1.6899	1196.0	9.05	1.6874	1195.8	8.86	1.6850	1195.6	8.69 8.82	1.6826	1195.4
330 340	9.37 9.50	1.6964 1.7027	1201.1	9.18 9.31	1.6939	1200.9 1206.0	8.99 9.12	1.6915 1.6979	1200.7	8.94	1.6956	1200.5
350	9.64	1.7090	1211.2	9.44	1.7066	1211.0	9.25	1.7042	1210.8	9.07	1.7018	1210.6
360	9.77	1.7151	1216.2	9.57	1.7127	1216.0	9.38	1.7103	1215.8	9.19	1.7080	1215.6
370	9.90	1.7212	1221.1	9.70	1.7188	1221.0	9.50	1.7164	1220.8	9.32	1.7141	1220.6
380 390	10.03	1.7271	1226.1 1231.1	9.82 9.95	1.7247 1.7306	1225.9	9.63 9.75	1.7224	1225.8	9.44 9.56	1.7201	1225.6 1230.6
400	10.29	1.7387	1236.0	10.08	1.7364	1235.9	9.88	1.7340	1235.7	9.68	1.7317	1235.6
410	10.42	1.7444	1240.9	10.20	1.7421	1240.8	10.00	1.7397	1240.6	9.81	1.7374	1240.5
420	10.55	1.7500	1245.8	10.33	1.7477	1245.7	10.13	1.7454	1245.6	9.93	1.7431	1245.4
430	10.67	1.7555	1250.7	10.46	1.7532	1250.6	10.25	1.7509	1250.5	10.05	1.7486	1250.3
440	10.80	1.7610	1255.6	10.58	1.7587	1255.5	10.37	1.7564	1255.3	10.17	1.7541	1255.2
450	10.93	1.7664	1260.5	10.71	1.7641	1260.4	10.50	1.7618	1260.2	10.29	1.7595	1260.1
460	11.06	1.7717	1265.3	10.83	1.7694	1265.2	10.62	1.7671	1265.1	10.41	1.7649	1265.0
470	11.18	1.7770	1270.2	10.96	1.7747	1270.1	10.74	1.7724	1270.0	10.53	1.7702	1269.9
480	11.31	1.7822	1275.0	11.08	1.7799	1274.9	ro.86	1.7776	1274.9	10.65	1.7754	1274.8
490	11.44	1.7873	1279.9	11.20	1.7850	1279.8	10.98	1.7827	1279.7	10.77	1.7805	1279.6
500	11.56	1.7924	1284.8	11.33	1.7901	1284.7	11.10	1.7878	1284.6	10.89	1.7856	1284.5
550	12.19	1.8170	1309.0	11.94	1.8147	1308.9	11.71	1.8125	1308.9	11.48	1.8103	1308.8
600 650	12.81	1.8405	1333.3	12.55	1.8382	1333.2	12.31	1.8360	1333.2	12.65	1.8338	1333.1
==	13.43	1.0029	1357.6	13.16	1.8607	1357⋅5	12.90	1.8585	1357-5	12.03	1.8563	1357.4
		53 [284.7]			54 [285.9]			55 [287.1]			56 [288.2]	
Sat.	8.07		1176.7	7.93		1177.1	7.80		1177.5	7.67		1177.8
Sat. 290	8.07 8.14	[284.7]	1176.7	7·93 7·99	[285.9]	1177.1	7.80 7.84	[287.1]	1177.5	7.67 7.69	[288.2]	1177.8
		[284.7] 1.6562		7·99 8.11	[285.9]			1.6532			[288.2]	
290	8.14	[284.7] 1.6562 1.6599 1.6668 1.6736	1179.5	7·99 8.11	[285.9] 1.6547 1.6576	1179.3	7.84	[287.1] 1.6532 1.6553	1179.0	7.69	[288.2] 1.6517 1.6530	1178.7
290 300	8.14 8.27	1.6562 1.6599 1.6668 1.6736 1.6803	1179.5	7.99	[285.9] 1.6547 1.6576 1.6645 1.6713 1.6780	1179.3	7.84 7.96	[287.1] 1.6532 1.6553 1.6622	1179.0	7.69 7.81	1.6517 1.6530 1.6600 1.6668 1.6735	1178.7 1184.0 1189.2 1194.4
290 300 310	8.14 8.27 8.40 8.52 8.64	1.6562 1.6599 1.6668 1.6736 1.6803 1.6868	1179.5 1184.8 1190.0 1195.1 1200.3	7·99 8.11 8.23 8.36 8.48	[285.9] 1.6547 1.6576 1.6645 1.6713 1.6780 1.6846	1179.3 1184.5 1189.7 1194.9 1200.0	7.84 7.96 8.08 8.20 8.32	[287.1] 1.6532 1.6553 1.6622 1.6690 1.6757 1.6823	1179.0 1184.3 1189.5 1194.7 1199.8	7.69 7.81 7.93 8.05 8.17	[288.2] 1.6517 1.6530 1.6600 1.6668 1.6735 1.6801	1178.7 1184.0 1189.2 1194.4 1199.6
290 300 310 320 330 340	8.14 8.27 8.40 8.52	1.6562 1.6599 1.6668 1.6736 1.6803	1179.5 1184.8 1190.0 1195.1	7·99 8.11 8.23 8.36	[285.9] 1.6547 1.6576 1.6645 1.6713 1.6780	1179.3 1184.5 1189.7 1194.9	7.84 7.96 8.08 8.20	[287.1] 1.6532 1.6553 1.6622 1.6690 1.6757	1179.0 1184.3 1189.5	7.69 7.81 7.93 8.05	1.6517 1.6530 1.6600 1.6668 1.6735	1178.7 1184.0 1189.2 1194.4
290 300 310 320 330 340 350	8.14 8.27 8.40 8.52 8.64	1.6562 1.6599 1.6668 1.6736 1.6803 1.6868	1179.5 1184.8 1190.0 1195.1 1200.3 1205.4	7.99 8.11 8.23 8.36 8.48 8.60	[285.9] 1.6547 1.6576 1.6645 1.6713 1.6780 1.6846 1.6910	1179.3 1184.5 1189.7 1194.9 1200.0	7.84 7.96 8.08 8.20 8.32 8.44	[287.1] 1.6532 1.6553 1.6622 1.6690 1.6757 1.6823 1.6888	1179.0 1184.3 1189.5 1194.7 1199.8	7.69 7.81 7.93 8.05 8.17 8.29	1.6517 1.6530 1.6600 1.6668 1.6735 1.6861 1.6866	1178.7 1184.0 1189.2 1194.4 1199.6
290 300 310 320 330 340	8.14 8.27 8.40 8.52 8.64 8.77	1.6562 1.6599 1.6668 1.6736 1.6803 1.6868 1.6933	1179.5 1184.8 1190.0 1195.1 1200.3	7.99 8.11 8.23 8.36 8.48 8.60 8.72 8.84	[285.9] 1.6547 1.6576 1.6645 1.6713 1.6780 1.6846 1.6910 1.6973 1.7035	1179.3 1184.5 1189.7 1194.9 1200.0 1205.1	7.84 7.96 8.08 8.20 8.32 8.44 8.56 8.68	[287.1] 1.6532 1.6553 1.6622 1.6690 1.6757 1.6823 1.6888	1179.0 1184.3 1189.5 1194.7 1199.8 1204.9	7.69 7.81 7.93 8.05 8.17 8.29 8.40 8.52	1.6517 1.6530 1.6600 1.6668 1.6735 1.6801 1.6866	1178.7 1184.0 1189.2 1194.4 1199.6 1204.7
290 310 320 330 340 350 360 370	8.14 8.27 8.40 8.52 8.64 8.77 8.89 9.02 9.14	1.6562 1.6599 1.6668 1.6736 1.6803 1.6868 1.6933 1.6995 1.7057 1.7118	1179.5 1184.8 1190.0 1195.1 1200.3 1205.4	7.99 8.11 8.23 8.36 8.48 8.60 8.72 8.84 8.96	1.6547 1.6576 1.6645 1.6780 1.6846 1.6910 1.6973 1.7035 1.7096	1179.3 1184.5 1189.7 1194.9 1200.0 1205.1 1210.2 1215.2 1220.3	7.84 7.96 8.08 8.20 8.32 8.44 8.56 8.68 8.80	1.6532 1.6553 1.6652 1.6690 1.6757 1.6823 1.6888 1.6951 1.7013	1179.0 1184.3 1189.5 1194.7 1199.8 1204.9	7.69 7.81 7.93 8.05 8.17 8.29 8.40 8.52 8.64	1.6517 1.6530 1.6600 1.6668 1.6735 1.6861 1.6866 1.6929 1.6991 1.7053	1178.7 1184.0 1189.2 1194.4 1199.6 1204.7 1209.8 1214.9 1219.9
290 300 310 320 330 340 350 360 370 380	8.14 8.27 8.40 8.52 8.64 8.77 8.89 9.02 9.14 9.26	1.6562 1.6599 1.6668 1.6736 1.6863 1.6868 1.6995 1.7118 1.7178	1179.5 1184.8 1190.0 1195.1 1200.3 1205.4 1210.4 1215.4 1220.4 1225.4	7-99 8.11 8.23 8.36 8.48 8.60 8.72 8.84 8.96 9.08	1.6547 1.6576 1.6576 1.6713 1.6780 1.6846 1.6910 1.6973 1.7036 1.7036	1179.3 1184.5 1189.7 1194.9 1200.0 1205.1 1210.2 1215.2 1220.3 1225.3	7.84 7.96 8.08 8.20 8.32 8.44 8.56 8.68 8.80 8.92	1.6532 1.6553 1.6652 1.6690 1.6757 1.6823 1.6888 1.6951 1.7013	1179.0 1184.3 1189.5 1194.7 1199.8 1204.9 1210.0 1215.1 1220.1	7.69 7.81 7.93 8.05 8.17 8.29 8.40 8.52 8.64 8.75	1.6517 1.6530 1.6600 1.6668 1.6735 1.6801 1.6866 1.6929 1.7053 1.7113	1178.7 1184.0 1189.2 1194.4 1199.6 1204.7 1209.8 1214.9 1219.9 1224.9
290 300 310 320 330 340 350 360 370 380 390	8.14 8.27 8.40 8.52 8.64 8.77 8.89 9.02 9.14	1.6562 1.6599 1.6668 1.6736 1.6803 1.6868 1.6933 1.6995 1.7057 1.7118	1179.5 1184.8 1190.0 1195.1 1200.3 1205.4 1210.4 1215.4 1220.4	7.99 8.11 8.23 8.36 8.48 8.60 8.72 8.84 8.96	1.6547 1.6576 1.6645 1.6713 1.6780 1.6846 1.6910 1.6973 1.7035 1.7096 1.7156	1179.3 1184.5 1189.7 1194.9 1200.0 1205.1 1210.2 1215.2 1220.3	7.84 7.96 8.08 8.20 8.32 8.44 8.56 8.68 8.80	1.6532 1.6553 1.6652 1.6690 1.6757 1.6823 1.6888 1.6951 1.7013	1179.0 1184.3 1189.5 1194.7 1199.8 1204.9	7.69 7.81 7.93 8.05 8.17 8.29 8.40 8.52 8.64	1.6517 1.6530 1.6600 1.6668 1.6735 1.6861 1.6866 1.6929 1.6991 1.7053	1178.7 1184.0 1189.2 1194.4 1199.6 1204.7 1209.8 1214.9 1219.9
290 300 310 320 330 340 350 360 370 380 390	8.14 8.27 8.40 8.52 8.64 8.77 8.89 9.02 9.14 9.26 9.38	1.6562 1.6599 1.6668 1.6736 1.6868 1.6933 1.6995 1.7057 1.7118 1.7178 1.7237	1179.5 1184.8 1190.0 1195.1 1200.3 1205.4 1210.4 1215.4 1220.4 1225.4 1235.4	7-99 8.11 8.23 8.36 8.48 8.60 8.72 8.84 8.96 9.08	1.6547 1.6576 1.6645 1.6713 1.6780 1.6846 1.6910 1.6973 1.7035 1.7096 1.7156 1.7215	1179.3 1184.5 1189.7 1194.9 1200.0 1205.1 1210.2 1220.3 1225.3 1235.3	7.84 7.96 8.08 8.20 8.32 8.44 8.56 8.68 8.80 9.03	1.6532 1.6553 1.6652 1.6690 1.6757 1.6823 1.6888 1.7013 1.7074 1.7134 1.7193	1179.0 1184.3 1189.5 1194.7 1199.8 1204.9 1210.0 1215.1 1220.1 1225.1 1235.1	7.69 7.81 7.93 8.05 8.17 8.29 8.40 8.52 8.64 8.75 8.87	1.6517 1.6530 1.6660 1.6668 1.6735 1.6861 1.6866 1.6929 1.7953 1.7113 1.7172	1178.7 1184.0 1189.2 1194.4 1199.6 1204.7 1209.8 1214.9 1219.9 1224.9 1229.9
290 300 310 320 330 340 350 360 370 380 390 400 410	8.14 8.27 8.40 8.52 8.64 8.77 8.89 9.02 9.14 9.26 9.38 9.50 9.62	1.6562 1.6599 1.6668 1.6736 1.6868 1.6933 1.6995 1.7057 1.7118 1.7178 1.7237	1179.5 1184.8 1190.0 1195.1 1200.3 1205.4 1210.4 1215.4 1220.4 1225.4 1230.4	7.99 8.11 8.23 8.36 8.48 8.60 8.72 8.84 8.96 9.08 9.20 9.32 9.44	1.6547 1.6576 1.6645 1.6713 1.6780 1.6846 1.6910 1.6973 1.7035 1.7096 1.7156 1.7215 1.7273	1179.3 1184.5 1189.7 1194.9 1200.0 1205.1 1210.2 1220.3 1225.3 1235.3 1240.2	7.84 7.96 8.08 8.20 8.32 8.44 8.56 8.68 8.80 9.03 9.15 9.26	1.6532 1.6533 1.6622 1.6690 1.6757 1.6823 1.6888 1.7013 1.7074 1.7134 1.7193 1.7251 1.7308	1179.0 1184.3 1189.5 1194.7 1199.8 1204.9 1210.0 1215.1 1220.1 1225.1 1235.1 1240.1	7.69 7.81 7.93 8.05 8.17 8.29 8.40 8.52 8.64 8.75 8.87 8.98 9.09	1.6517 1.6530 1.6660 1.6668 1.6735 1.6861 1.6929 1.7053 1.7113 1.7172 1.7230 1.7287	1178.7 1184.0 1189.2 1194.4 1199.6 1204.7 1209.8 1214.9 1219.9 1224.9 1229.9 1234.9 1239.9
290 300 310 320 330 340 350 360 370 380 390 410 420	8.14 8.27 8.40 8.52 8.64 8.77 8.89 9.02 9.14 9.26 9.38 9.50 9.62 9.74	1.6562 1.6599 1.6668 1.6736 1.6868 1.6933 1.6995 1.7057 1.7118 1.7178 1.7237	1179.5 1184.8 1190.0 1195.1 1200.3 1205.4 1210.4 1210.4 1220.4 1220.4 1230.4	7.99 8.11 8.23 8.36 8.48 8.60 8.72 8.84 8.96 9.08 9.20 9.32 9.44 9.55	1.6547 1.6576 1.6645 1.6713 1.6780 1.6846 1.6910 1.6973 1.7036 1.7096 1.7156 1.7215 1.7233 1.7330 1.7387	1179.3 1184.5 1189.7 1194.9 1200.0 1205.1 1210.2 1215.2 1220.3 1230.3 1235.3 1240.2 1245.1	7.84 7.96 8.08 8.20 8.32 8.44 8.56 8.68 8.92 9.03 9.15 9.26 9.38	1.6532 1.6553 1.6622 1.6690 1.6757 1.6823 1.6888 1.6951 1.7013 1.7074 1.7134 1.7193 1.7251 1.7308 1.7365	1179.0 1184.3 1189.5 1194.7 1199.8 1204.9 1210.0 1215.1 1220.1 1225.1 1230.1 1235.1 1240.1	7.69 7.81 7.93 8.05 8.17 8.29 8.40 8.52 8.64 8.75 8.87 8.98 9.09	1.6517 1.6530 1.6600 1.6660 1.6735 1.6801 1.6866 1.6929 1.7053 1.7113 1.7172 1.7230 1.7230 1.7237	1178.7 1184.0 1189.2 1194.4 1199.6 1204.7 1209.8 1214.9 1219.9 1224.9 1234.9 1239.9 1234.9 1239.9
290 300 310 320 330 340 350 360 370 380 390 400 410 420 430	8.14 8.27 8.40 8.52 8.64 8.77 8.89 9.02 9.14 9.26 9.38 9.50 9.62 9.74	[284.7] 1.6562 1.6599 1.6668 1.6736 1.6863 1.6933 1.6995 1.7057 1.7118 1.7237 1.7295 1.7352 1.7469	1179.5 1184.8 1190.0 1195.1 1200.3 1205.4 1210.4 1225.4 1225.4 1235.4 1245.3 1245.3 1250.2	7.99 8.11 8.23 8.36 8.48 8.60 8.72 8.84 8.96 9.20 9.32 9.44 9.55	1.6547 1.6576 1.6645 1.6713 1.6780 1.6846 1.6910 1.6973 1.7096 1.7156 1.7273 1.7330 1.7330 1.7387 1.7442	1179.3 1184.5 1189.7 1194.9 1200.0 1205.1 1210.2 1225.3 1225.3 1235.3 1245.1 1245.1	7.84 7.96 8.08 8.20 8.32 8.44 8.56 8.68 8.92 9.03 9.15 9.26 9.38 9.49	1.6532 1.6553 1.6652 1.6690 1.6757 1.6823 1.6888 1.7013 1.7074 1.7134 1.7193 1.7251 1.7368 1.7368 1.7368	1179.0 1184.3 1189.5 1194.7 1199.8 1204.9 1210.0 1215.1 1225.1 1225.1 1235.1 1245.0 1249.9	7.69 7.81 7.93 8.05 8.17 8.29 8.40 8.52 8.64 8.75 8.98 9.09 9.32	[.88.2] 1.6517 1.6530 1.6660 1.6668 1.6735 1.6866 1.6929 1.7053 1.7113 1.7172 1.7230 1.7244 1.7400	1178.7 1184.0 1189.2 1194.4 1199.6 1204.7 1209.8 1214.9 1214.9 1224.9 1224.9 1234.9 1234.9 1234.9 1234.9 1234.9
290 310 320 330 340 350 360 370 380 390 410 420 430 440	8.14 8.27 8.40 8.52 8.64 8.77 8.89 9.02 9.14 9.26 9.38 9.50 9.62 9.74	1.6562 1.6599 1.6668 1.6736 1.6868 1.6933 1.6995 1.7057 1.7118 1.7178 1.7237	1179.5 1184.8 1190.0 1195.1 1200.3 1205.4 1210.4 1210.4 1220.4 1220.4 1230.4	7.99 8.11 8.23 8.36 8.48 8.60 8.72 8.84 8.96 9.08 9.20 9.32 9.44 9.55	1.6547 1.6576 1.6645 1.6713 1.6780 1.6846 1.6910 1.6973 1.7036 1.7096 1.7156 1.7215 1.7233 1.7330 1.7387	1179.3 1184.5 1189.7 1194.9 1200.0 1205.1 1210.2 1215.2 1220.3 1230.3 1235.3 1240.2 1245.1	7.84 7.96 8.08 8.20 8.32 8.44 8.56 8.68 8.92 9.03 9.15 9.26 9.38	1.6532 1.6553 1.6622 1.6690 1.6757 1.6823 1.6888 1.6951 1.7013 1.7074 1.7134 1.7193 1.7251 1.7308 1.7365	1179.0 1184.3 1189.5 1194.7 1199.8 1204.9 1210.0 1215.1 1220.1 1225.1 1230.1 1235.1 1240.1	7.69 7.81 7.93 8.05 8.17 8.29 8.40 8.52 8.64 8.75 8.87 8.98 9.09	1.6517 1.6530 1.6600 1.6660 1.6735 1.6801 1.6866 1.6929 1.7053 1.7113 1.7172 1.7230 1.7230 1.7237	1178.7 1184.0 1189.2 1194.4 1199.6 1204.7 1209.8 1214.9 1219.9 1224.9 1234.9 1239.9 1234.9 1239.9
290 310 320 330 340 350 360 370 380 390 410 420 430 440	8.14 8.27 8.40 8.52 8.64 8.77 8.89 9.02 9.14 9.38 9.50 9.74 9.86 9.98	1.6562 1.6599 1.6668 1.6736 1.6803 1.6868 1.6933 1.7057 1.7118 1.7237 1.7295 1.7352 1.7409 1.7464 1.7519	1179.5 1184.8 1190.0 1195.1 1200.3 1205.4 1210.4 1210.4 1220.4 1220.4 1230.4 1230.4 1245.3 125.2 1255.1	7.99 8.11 8.23 8.36 8.48 8.60 8.72 8.84 8.96 9.08 9.32 9.44 9.55 9.67 9.79	1.6547 1.6576 1.6645 1.6713 1.6780 1.6846 1.6910 1.6973 1.7096 1.7156 1.7213 1.7273 1.7330 1.7387 1.7442 1.7497	1179.3 1184.5 1189.7 1194.9 1200.0 1205.1 1210.2 1215.2 1220.3 1235.3 1240.2 1245.1 1250.1 1255.0	7.84 7.96 8.08 8.20 8.32 8.44 8.56 8.68 8.92 9.03 9.15 9.26 9.38 9.49 9.61	1.6532 1.6533 1.6622 1.6690 1.6757 1.6823 1.6888 1.7013 1.7074 1.7134 1.7193 1.7251 1.7308 1.7365 1.7421 1.7476	1179.0 1184.3 1189.5 1194.7 1199.8 1204.9 1210.0 1215.1 1225.1 1235.1 1245.0 1245.0 1249.9 1254.8	7.69 7.81 7.93 8.05 8.17 8.29 8.40 8.52 8.64 8.75 8.87 8.98 9.09 9.21 9.32 9.43	1.6517 1.6530 1.6600 1.6660 1.6735 1.6801 1.6866 1.6929 1.7053 1.7113 1.7172 1.7230 1.7287 1.7344 1.7400 1.7455	1178.7 1184.0 1189.2 1194.4 1199.6 1204.7 1209.8 1214.9 1219.9 1224.9 1229.9 1234.9 1239.9 1244.9 1249.8 1254.7
290 310 320 330 340 350 360 370 380 390 400 410 420 430 440 460	8.14 8.27 8.40 8.52 8.64 8.77 8.89 9.02 9.126 9.38 9.50 9.74 9.86 9.98	[284.7] 1.6562 1.6599 1.6668 1.6736 1.6803 1.6868 1.7057 1.7118 1.7237 1.7295 1.7409 1.7464 1.7519 1.7573 1.7627	1179.5 1184.8 1190.0 1195.1 1200.3 1205.4 1210.4 1220.4 1225.4 1225.4 1235.4 1240.4 1245.3 1250.2 1255.1	7.99 8.11 8.23 8.36 8.48 8.60 8.72 8.84 8.96 9.08 9.20 9.32 9.44 9.55 9.67 9.79	1.6547 1.6576 1.6645 1.6713 1.6780 1.6846 1.6910 1.6973 1.7096 1.7156 1.7215 1.7231 1.7338 1.7342 1.7442 1.7447	1179.3 1184.5 1189.7 1194.9 1200.0 1205.1 1210.2 1220.3 1225.3 1230.3 1235.3 1240.2 1245.1 1250.1 1255.0	7.84 7.96 8.08 8.20 8.32 8.44 8.56 8.68 8.90 9.03 9.15 9.26 9.49 9.61	1.6532 1.6553 1.6652 1.6690 1.6757 1.6823 1.6888 1.7013 1.7074 1.7134 1.7193 1.7251 1.7308 1.7421 1.7476	1179.0 1184.3 1189.5 1194.7 1199.8 1204.9 1210.0 1215.1 1225.1 1225.1 1230.1 1245.0 1249.9 1254.8 1259.8 1259.8	7.69 7.81 7.93 8.05 8.17 8.29 8.40 8.52 8.64 8.75 8.98 9.09 9.32 9.43 9.55 9.66	[288.2] 1.6517 1.6530 1.6660 1.6668 1.6735 1.6801 1.6866 1.6929 1.7953 1.7113 1.7172 1.7230 1.7240 1.7405 1.7455 1.7509 1.7563	1178.7 1184.0 1189.2 1194.4 1199.6 1204.7 1209.8 1214.9 1214.9 1224.9 1229.9 1234.9 1234.9 1249.8 1254.7 1259.6 1264.5
290 310 320 330 340 350 360 370 380 400 410 420 430 440 450 460 470	8.14 8.27 8.40 8.52 8.64 8.77 8.89 9.02 9.14 9.26 9.38 9.50 9.62 9.74 9.86 9.98	1.6562 1.6599 1.6668 1.6736 1.6868 1.6933 1.6995 1.7057 1.7118 1.7237 1.7295 1.7352 1.7404 1.7519 1.7573 1.7589 1.7573 1.7680	1179.5 1184.8 1190.0 1195.1 1200.3 1205.4 1210.4 1225.4 1225.4 1235.4 1245.3 1245.3 1255.1 1260.0 1264.9 1269.8	7.99 8.11 8.23 8.36 8.48 8.60 8.72 8.84 8.96 9.08 9.20 9.32 9.44 9.55 9.67 9.79 10.02 10.14	1.6547 1.6576 1.6645 1.6713 1.6780 1.6846 1.6910 1.6973 1.7035 1.7096 1.7156 1.7215 1.7273 1.7330 1.7342 1.7442 1.7497	1179.3 1184.5 1189.7 1194.9 1200.0 1205.1 1210.2 1225.3 1225.3 1235.3 1245.1 1250.1 1255.0 1259.9 1264.8 1269.7	7.84 7.96 8.08 8.20 8.32 8.44 8.56 8.68 9.23 9.15 9.26 9.38 9.61	1.6532 1.6533 1.6553 1.6622 1.6690 1.6757 1.6823 1.7013 1.7074 1.7134 1.7193 1.7251 1.7308 1.7358 1.7476	1179.0 1184.3 1189.5 1194.7 1199.8 1204.9 1210.0 1215.1 1225.1 1225.1 1235.1 1245.0 1249.9 1254.8 1259.8 1264.7 1269.6	7.69 7.81 7.93 8.05 8.17 8.29 8.40 8.52 8.64 8.75 8.98 9.09 9.21 9.43 9.55 9.66	1.6517 1.6530 1.6600 1.6668 1.6735 1.6801 1.6866 1.6929 1.7953 1.7113 1.7172 1.7230 1.7287 1.7344 1.7400 1.7455 1.7509 1.7563 1.7563	1178.7 1184.0 1189.2 1194.4 1199.6 1204.7 1209.8 1214.9 1214.9 1224.9 1224.9 1234.9 1239.9 1244.9 1249.8 1254.7
290 300 310 320 330 340 350 360 370 380 390 410 420 430 440 460 470 480	8.14 8.27 8.40 8.52 8.64 8.77 8.89 9.02 9.14 9.26 9.38 9.50 9.62 9.78 9.98 10.21 10.33 10.45	1.6562 1.6599 1.6668 1.6736 1.6863 1.6868 1.6933 1.7057 1.7118 1.7237 1.7237 1.7295 1.7469 1.7519 1.7523 1.7523 1.7523 1.7523 1.7523 1.7627 1.7628	1179.5 1184.8 1190.0 1195.1 1200.3 1210.4 1215.4 1220.4 1225.4 1235.4 1240.4 1245.3 1255.1 1260.0 1264.9 1269.8 1274.7	7.99 8.11 8.23 8.36 8.48 8.60 8.72 8.84 8.96 9.08 9.20 9.32 9.44 9.55 9.67 9.79 9.90 10.02 10.14 10.25	1.6547 1.6576 1.6645 1.6713 1.6780 1.6846 1.6910 1.6973 1.7035 1.7096 1.7156 1.7215 1.7273 1.7387 1.7497 1.7551 1.7658 1.7658 1.77658	1179.3 1184.5 1189.7 1194.9 1200.0 1205.1 1210.2 1220.3 1225.3 1235.3 1240.2 1240.2 1245.1 1255.0 1259.9 1264.8 1269.7 1274.6	7.84 7.96 8.08 8.20 8.32 8.44 8.56 8.68 8.92 9.03 9.15 9.26 9.38 9.49 9.61 9.72 9.84 9.95 10.06	1.6532 1.6533 1.6653 1.66622 1.6690 1.6757 1.6823 1.7013 1.7074 1.7134 1.7193 1.7251 1.7308 1.7365 1.7421 1.7476 1.7530 1.7534 1.7539 1.7584 1.7637 1.7689	1179.0 1184.3 1189.5 1194.7 1199.8 1204.9 1210.0 1215.1 1225.1 1225.1 1235.1 1240.1 1249.9 1254.8 1259.8 1264.7 1269.6 1274.4	7.69 7.81 7.93 8.05 8.17 8.29 8.40 8.52 8.64 8.75 8.98 9.09 9.21 9.32 9.55 9.66 9.77 9.88	1.6517 1.6530 1.6660 1.6668 1.6735 1.6861 1.6866 1.6929 1.7953 1.7113 1.7172 1.7287 1.7287 1.7344 1.7455 1.7509 1.7563 1.7616 1.7668	1178.7 1184.0 1189.2 1194.4 1199.6 1204.7 1209.8 1214.9 1219.9 1224.9 1239.9 1234.9 1244.9 1244.9 1244.9 1259.6 1264.5 1269.4 1274.3
290 310 320 330 340 350 360 370 380 390 400 410 420 430 440 460 470 480 490	8.14 8.27 8.40 8.52 8.64 8.77 8.89 9.02 9.14 9.26 9.38 9.50 9.62 9.74 9.86 9.98	1.6562 1.6599 1.6668 1.6736 1.6868 1.6933 1.6995 1.7057 1.7118 1.7237 1.7295 1.7352 1.7404 1.7519 1.7573 1.7589 1.7573 1.7680	1179.5 1184.8 1190.0 1195.1 1200.3 1205.4 1210.4 1225.4 1225.4 1225.4 1240.4 1240.3 1250.2 1255.1 1260.0 1264.9 1279.5	7.99 8.11 8.23 8.36 8.48 8.60 8.72 8.84 8.96 9.08 9.20 9.32 9.44 9.55 9.67 9.79 10.02 10.14	1.6547 1.6576 1.6645 1.6713 1.6780 1.6846 1.6910 1.6973 1.7035 1.7096 1.7156 1.7215 1.7273 1.7330 1.7342 1.7442 1.7497	1179.3 1184.5 1189.7 1194.9 1200.0 1205.1 1210.2 1225.3 1225.3 1235.3 1245.1 1250.1 1255.0 1259.9 1264.8 1269.7	7.84 7.96 8.08 8.20 8.32 8.44 8.56 8.68 9.23 9.15 9.26 9.38 9.61	1.6532 1.6533 1.6553 1.6622 1.6690 1.6757 1.6823 1.7013 1.7074 1.7134 1.7193 1.7251 1.7308 1.7358 1.7476	1179.0 1184.3 1189.5 1194.7 1199.8 1204.9 1210.0 1215.1 1225.1 1225.1 1235.1 1245.0 1249.9 1254.8 1259.8 1264.7 1269.6	7.69 7.81 7.93 8.05 8.17 8.29 8.40 8.52 8.64 8.75 8.98 9.09 9.21 9.43 9.55 9.66	1.6517 1.6530 1.6600 1.6668 1.6735 1.6801 1.6866 1.6929 1.7953 1.7113 1.7172 1.7230 1.7287 1.7344 1.7400 1.7455 1.7509 1.7563 1.7563	1178.7 1184.0 1189.2 1194.4 1199.6 1204.7 1209.8 1214.9 1214.9 1224.9 1224.9 1234.9 1239.9 1244.9 1249.8 1254.7
290 300 310 320 330 340 350 360 370 380 410 410 420 430 440 450 450 480	8.14 8.27 8.40 8.52 8.64 8.77 8.89 9.02 9.14 9.26 9.38 9.50 9.62 9.78 9.98 10.21 10.33 10.45	1.6562 1.6599 1.6668 1.6736 1.6863 1.6868 1.6933 1.7057 1.7118 1.7237 1.7237 1.7295 1.7469 1.7519 1.7523 1.7523 1.7523 1.7523 1.7523 1.7627 1.7628	1179.5 1184.8 1190.0 1195.1 1200.3 1210.4 1215.4 1220.4 1225.4 1235.4 1240.4 1245.3 1255.1 1260.0 1264.9 1269.8 1274.7	7.99 8.11 8.23 8.36 8.48 8.60 8.72 8.84 8.96 9.08 9.20 9.32 9.44 9.55 9.67 9.79 10.02 10.14 10.25 10.37	1.6547 1.6576 1.6645 1.6713 1.6780 1.6846 1.6910 1.6973 1.7035 1.7096 1.7156 1.7215 1.7273 1.7387 1.7497 1.7551 1.7658 1.7658 1.77658	1179.3 1184.5 1189.7 1194.9 1200.0 1205.1 1210.2 1220.3 1225.3 1235.3 1240.2 1240.2 1245.1 1255.0 1259.9 1264.8 1269.7 1274.6	7.84 7.96 8.08 8.20 8.32 8.44 8.56 8.68 8.92 9.03 9.15 9.26 9.38 9.49 9.61 9.72 9.84 9.95 10.06	1.6532 1.6533 1.6653 1.66622 1.6690 1.6757 1.6823 1.7013 1.7074 1.7134 1.7193 1.7251 1.7308 1.7365 1.7421 1.7476 1.7530 1.7534 1.7539 1.7584 1.7637 1.7689	1179.0 1184.3 1189.5 1194.7 1199.8 1204.9 1210.0 1215.1 1225.1 1225.1 1235.1 1240.1 1249.9 1254.8 1259.8 1264.7 1269.6 1274.4	7.69 7.81 7.93 8.05 8.17 8.29 8.40 8.52 8.64 8.75 8.98 9.09 9.21 9.32 9.55 9.66 9.77 9.88	1.6517 1.6530 1.6660 1.6668 1.6735 1.6861 1.6866 1.6929 1.7953 1.7113 1.7172 1.7287 1.7287 1.7344 1.7455 1.7509 1.7563 1.7616 1.7668	1178.7 1184.0 1189.2 1194.4 1199.6 1204.7 1209.8 1214.9 1219.9 1224.9 1239.9 1234.9 1244.9 1244.9 1244.9 1259.6 1264.5 1269.4 1274.3
290 310 320 330 340 350 360 370 380 410 420 430 440 460 470 480 490 550	8.14 8.27 8.40 8.52 8.64 8.77 8.89 9.02 9.14 9.26 9.38 9.50 9.62 9.74 9.86 9.98 10.09 10.21 10.33 10.45 10.56 10.68 11.26	1.6562 1.6599 1.6668 1.6736 1.6863 1.6868 1.6933 1.6995 1.7057 1.7118 1.7237 1.7237 1.7295 1.7352 1.7409 1.7573 1.7573 1.7680 1.7783 1.7783 1.7783 1.7783	1179.5 1184.8 1190.0 1195.1 1200.3 1205.4 1210.4 1225.4 1225.4 1225.4 1240.4 1240.3 1250.2 1255.1 1260.0 1264.9 1279.5	7.99 8.11 8.23 8.36 8.48 8.60 8.72 8.84 8.96 9.08 9.20 9.32 9.44 9.55 9.67 9.79 10.02 10.14 10.25 10.37	1.6547 1.6576 1.6645 1.6713 1.6780 1.6846 1.6910 1.6973 1.7035 1.7096 1.7156 1.7215 1.7273 1.7380 1.7442 1.7497 1.7551 1.7658 1.7765 1.7765 1.7765 1.7765 1.7765 1.7765 1.7765 1.7765 1.7765 1.7765 1.7765 1.7765 1.7765 1.7765	1179.3 1184.5 1189.7 1194.9 1200.0 1205.1 1210.2 1215.2 1220.3 1235.3 1230.3 1235.3 1245.1 1250.1 1255.0 1259.9 1264.8 1269.7 1274.6 1279.4	7.84 7.96 8.08 8.20 8.32 8.44 8.56 8.68 8.90 9.03 9.15 9.26 9.38 9.49 9.61 9.72 9.84 9.95 10.06 10.18	1.6532 1.6533 1.66533 1.6652 1.6690 1.6757 1.6823 1.7013 1.7074 1.7134 1.7193 1.7251 1.7308 1.7365 1.7476 1.7530 1.7584 1.7689 1.7741 1.7792 1.7792	1179.0 1184.3 1189.5 1194.7 1199.8 1204.9 1210.0 1215.1 1225.1 1225.1 1235.1 1245.0 1249.9 1254.8 1259.8 1264.7 1269.6 1274.4 1279.3	7.69 7.81 7.93 8.05 8.17 8.29 8.40 8.52 8.64 8.75 8.87 8.98 9.09 9.32 9.43 9.55 9.77 9.88 9.99	1.6517 1.6530 1.6660 1.6668 1.6735 1.6861 1.6866 1.6929 1.7953 1.7113 1.7172 1.7287 1.7287 1.7344 1.7400 1.7455 1.7563 1.7563 1.7616 1.7668 1.7720 1.7771 1.8018	1178.7 1184.0 1189.2 1194.4 1199.6 1204.7 1209.8 1214.9 1219.9 1224.9 1224.9 1239.9 1244.9 1249.8 1254.7 1259.6 1264.5 1269.4 1274.3 1279.2 1284.1 1308.5
290 310 320 330 340 350 370 380 370 440 410 420 430 440 460 470 480 490 550 600	8.14 8.27 8.40 8.52 8.64 8.77 8.89 9.02 9.126 9.38 9.50 9.62 9.74 9.86 9.98 10.09 10.21 10.33 10.45 10.56 10.68 11.26 12.84	1.6562 1.6599 1.6668 1.6736 1.6868 1.6933 1.6995 1.7057 1.718 1.7237 1.7295 1.7352 1.7469 1.7519 1.7573 1.7627- 1.7627- 1.7783 1.7783 1.7783 1.7783 1.7834 1.8081 1.8316	1179.5 1184.8 1190.0 1195.1 1200.3 1205.4 1210.4 1225.4 1225.4 1225.4 1235.4 1240.4 1245.3 1250.2 1255.1 1260.0 1269.8 1274.7 1279.5	7.99 8.11 8.23 8.36 8.48 8.60 8.72 8.84 9.98 9.20 9.32 9.44 9.55 9.67 9.79 9.90 10.02 10.14 10.25 10.37	1.6547 1.6547 1.6576 1.6645 1.6713 1.6780 1.6846 1.6910 1.6973 1.7035 1.7035 1.7215 1.7273 1.7330 1.7387 1.7442 1.7497 1.7551 1.7658 1.77658 1.7762 1.7813 1.7813 1.78260 1.8060 1.8295	1179.3 1184.5 1189.7 1194.9 1200.0 1205.1 1210.2 1225.3 1225.3 1235.3 1245.1 1255.0 1259.9 1264.8 1269.7 1274.6 1279.4	7.84 7.96 8.08 8.20 8.32 8.44 8.56 8.68 8.92 9.03 9.15 9.26 9.38 9.49 9.61 9.72 9.84 9.95 10.06 10.18	1.6532 1.6533 1.6533 1.6622 1.6690 1.6757 1.6823 1.7013 1.7013 1.7013 1.7193 1.7251 1.7308 1.7365 1.7476 1.7530 1.7530 1.7530 1.7689 1.7741 1.7792 1.8039 1.8039 1.8039	1179.0 1184.3 1189.5 1194.7 1199.8 1204.9 1210.0 1215.1 1225.1 1225.1 1235.1 1245.0 1249.9 1254.8 1259.8 1264.7 1269.6 1274.4 1279.3 1284.2	7.69 7.81 7.93 8.05 8.17 8.29 8.40 8.52 8.64 8.75 8.87 8.98 9.09 9.21 9.32 9.43 9.55 9.66 9.77 9.88 9.99	1.6517 1.6530 1.6660 1.6668 1.6735 1.6861 1.6866 1.6929 1.7953 1.7113 1.7172 1.7230 1.7287 1.7344 1.7405 1.7455 1.7509 1.7563 1.7616 1.7668 1.7720 1.7771 1.8018 1.8254	1178.7 1184.0 1189.2 1194.4 1199.6 1204.7 1209.8 1214.9 1219.9 1224.9 1224.9 1224.9 1239.9 1244.8 1254.7 1259.6 1264.5 1269.4 1274.3 1279.2
290 310 320 330 340 350 360 370 380 400 410 420 430 440 460 470 480 490 550	8.14 8.27 8.40 8.52 8.64 8.77 8.89 9.02 9.14 9.26 9.38 9.50 9.62 9.74 9.86 9.98 10.09 10.21 10.33 10.45 10.56 10.68 11.26	1.6562 1.6599 1.6668 1.6736 1.6863 1.6868 1.6933 1.6995 1.7057 1.7118 1.7237 1.7237 1.7295 1.7352 1.7409 1.7573 1.7573 1.7680 1.7783 1.7783 1.7783 1.7783	1179.5 1184.8 1190.0 1195.1 1200.3 1205.4 1210.4 1225.4 1225.4 1225.4 1235.4 1245.3 1245.3 1250.2 1255.1 1260.0 1269.8 1274.7 1279.5 1284.4 1308.7	7.99 8.11 8.23 8.36 8.48 8.60 8.72 8.84 8.96 9.08 9.20 9.32 9.44 9.55 9.67 9.79 10.02 10.14 10.25 10.37	1.6547 1.6576 1.6645 1.6713 1.6780 1.6846 1.6910 1.6973 1.7035 1.7096 1.7156 1.7215 1.7273 1.7380 1.7442 1.7497 1.7551 1.7658 1.7765 1.7765 1.7765 1.7765 1.7765 1.7765 1.7765 1.7765 1.7765 1.7765 1.7765 1.7765 1.7765 1.7765	1179.3 1184.5 1189.7 1194.9 1200.0 1205.1 1210.2 1225.3 1225.3 1235.3 1245.1 1250.1 1255.0 1259.9 1264.8 1269.7 1274.6 1279.4 1284.3 1308.6	7.84 7.96 8.08 8.20 8.32 8.44 8.56 8.68 8.92 9.03 9.15 9.26 9.38 9.49 9.61 9.72 9.84 10.06 10.18	1.6532 1.6533 1.66533 1.6652 1.6690 1.6757 1.6823 1.7013 1.7074 1.7134 1.7193 1.7251 1.7308 1.7365 1.7476 1.7530 1.7584 1.7689 1.7741 1.7792 1.7792	1179.0 1184.3 1189.5 1194.7 1199.8 1204.9 1210.0 1215.1 1225.1 1225.1 1225.1 1225.1 1245.0 1249.9 1254.8 1259.8 1264.7 1269.6 1274.4 1279.3 1284.2 1308.5	7.69 7.81 7.93 8.05 8.17 8.29 8.40 8.52 8.64 8.75 8.98 9.09 9.21 9.43 9.55 9.66 9.77 9.88 9.99 10.10	1.6517 1.6530 1.6660 1.6668 1.6735 1.6861 1.6866 1.6929 1.7953 1.7113 1.7172 1.7287 1.7287 1.7344 1.7400 1.7455 1.7563 1.7563 1.7616 1.7668 1.7720 1.7771 1.8018	1178.7 1184.0 1189.2 1194.4 1199.6 1204.7 1209.8 1214.9 1224.9 1234.9 1234.9 1244.9 1244.9 1244.9 1244.9 1259.6 1264.5 1269.4 1274.3 1279.2 1284.1 1308.5

Pres- sure		57 [289.4]			58 [290.5]			59 [291.6]	-		60 [292.7]	
Temp F.	•		i	▼		i	•		i	•	8	i
Sat.	7-54	1.6503	1178.1	7.42	1.6489	1178.5	7.30	1.6475	1178.8	7.18	1.6462	1179.1
300	7.67	1.6578	1183.8	7-53	1.6556	1183.5	7.40	1.6534	1183.2	7.27	1.6513	1183.0
310	7.79	1.6646	1189.0	7.65	1.6624	1188.8	.7.51	1.6603	1188.5	7.38	1.6582	1188.3
320	7.90	1.6713	1194.2	7.76	1.6692	1194.0	7.63	1.6671	1193.8	7.49	1.6650	1193.5
330	8.02	1.6779	1199.4	7.88	1.6758	1199.2	7.74	1.6737	1199.0	7.61	1.6716	1198.7
340	8.14	1.6844	1204.5	7-99	1.6823	1204.3	7.85	1.6802	1204.1	7.72	1.6781	1203.9
350	8.25	1.6907	1209.6	8.10	1.6886	1209.4	7.96	1.6865	1209.2	7.83	1.6845	1209.0
360	8.37	1.6970	1214.7	8.22	1.6949	1214.5	8.08	1.6928	1214.3	7.94	1.6908	1214.1
370	8.48	1.7031	1219.7	8.33	1.7010	1219.6	8.19	1.6990	1219.4	8.05	1.6970	1219.2
380	8.59	1.7091	1224.8	8.44	1.7070	1224.6	8.30	1.7050	1224.4	8.16	1.7030	1224.3
390	8.71	1.7151	1229.8	8.56	1.7130	1229.6	8.41	1.7110	1229.5	8.26	1.7090	1229.3
400	8.82	1.7209	1234.8	8.67	1.7188	1234.6	8.52	1.7168	1234.5	8.37	1.7148	1234.3
410	8.93	1.7266	1239.8	8.78	1.7246	1239.6	8.62	1.7226	1239.5	8.48	1.7206	1239.3
420	9.04	1.7323	1 244.7	8.88	1.7303	1244.6	8.73	1.7283	1244.4	8.58	1.7263	1244.3
430	9.15	1.7379	1249.6	8.99	1.7359	1249.5	8.84	1.7339	1249.4	8.69	1.7319	1249.2
440	9.27	1.7434	1254.6	9.10	1.7414	1254.5	8.95	1.7394	1254.3	8.80	1.7374	1254.2
450	9.38	1.7488	1259.5	9.21	1.7468	1259.4	9.05	1.7448	1259.3	8.90	1.7429	1259.1
460	9.49	1.7542	1264.4	9.32	1.7522	1264.3	9.16	1.7502	1264.2	9.01	1.7483	1264.1
470	9.60	1.7595	1269.3	9.43	1.7575	1269.2	9.27	1.7555	1269.1	9.11	1.7536	1269.0
480	9.71	1.7648	1274.2	9.54	1.7628	1274.1	9.37	1.7608	1274.0	9.21	1.7588	1273.9
490	9.81	1.7700	1279.1	9.64	1.7680	1279.0	9.48	1.7660	1278.9	9.32	1.7640	1278.8
EAA			0			0-0	0.40		0-0			0
500	9.92	1.7751	1284.0	9.75	1.7731	1283.9	9.58	1.7711	1283.8	9.42	1.7692	1283.7
550 600	10.46	1.7998	1332.7	10.28	1.8214	1332.7	10.63	1.8195	1332.6	9.94	1.7940	1332.5
650	11.54	1.8459	1357.2	11.34	1.8440	1357.1	11.15	1.8421	1357.1	10.96	1.8402	1357.0
700	12.07	1.8675	1381.7	11.86	1.8656	1381.7	11.66	1.8637	1381.6	11.47	1.8618	1381.6
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				<u> </u>			l I			<u> </u>		
		61 [293.8]			62 [29 4.9]			63 [295.9]			64 [296.9]	
Sat	7.07		1179.4	6.97		1179.7	6.86		1180.0	6.76		1180.3
Sat. 300		[293.8] 1.6448	1179.4	6.97	[294.9]	1179.7	6.86	[295.9]	1180.0	6.76 6.80	1.6409	
	7.07 7.15 7.26	[293.8]		•	[294.9] 1.6435		_	[295.9]		i i	[296.9]	1180.3 1181.9 1187.3
300	7.15	[293.8] 1.6448 1.6492	1182.7 1188.0 1193.3	7.02	1.6435 1.6471 1.6541 1.6609	1182.5 1187.8 1193.1	6.91	[295.9] 1.6422 1.6451 1.6521 1.6589	1182.2 1187.5 1192.8	6.80	[296.9] 1.6409 1.6431 1.6501 1.6569	1181.9
300 310 320 330	7.15 7.26 7.37 7.48	1.6448 1.6492 1.6561 1.6629 1.6696	1182.7 1188.0 1193.3 1198.5	7.02 7.13 7.24 7.35	1.6435 1.6471 1.6541 1.6609 1.6676	1182.5 1187.8 1193.1 1198.3	6.91 7.02 7.12 7.23	1.6422 1.6451 1.6521 1.6589 1.6656	1182.2 1187.5 1192.8 1198.1	6.80 6.90 7.01 7.11	1.6409 1.6431 1.6501 1.6569 1.6636	1181.9 1187.3 1192.6 1197.9
300 310 320	7.15 7.26 7.37	[293.8] 1.6448 1.6492 1.6561 1.6629	1182.7 1188.0 1193.3	7.02 7.13 7.24	1.6435 1.6471 1.6541 1.6609	1182.5 1187.8 1193.1	6.91 7.02 7.12	[295.9] 1.6422 1.6451 1.6521 1.6589	1182.2 1187.5 1192.8	6.80 6.90 7.01	[296.9] 1.6409 1.6431 1.6501 1.6569	1181.9 1187.3 1192.6
300 310 320 330	7.15 7.26 7.37 7.48 7.59	1.6448 1.6492 1.6561 1.6629 1.6696 1.6761	1182.7 1188.0 1193.3 1198.5 1203.7	7.02 7.13 7.24 7.35 7.46	1.6435 1.6471 1.6541 1.6609 1.6676 1.6741	1182.5 1187.8 1193.1 1198.3 1203.5	6.91 7.02 7.12 7.23 7.34	1.6422 1.6451 1.6521 1.6589 1.6656	1182.2 1187.5 1192.8 1198.1 1203.3	6.80 6.90 7.01 7.11 7.22	1.6409 1.6431 1.6501 1.6569 1.6636 1.6702	1181.9 1187.3 1192.6 1197.9 1203.1
300 310 320 330 340	7.15 7.26 7.37 7.48	1.6448 1.6492 1.6561 1.6629 1.6696	1182.7 1188.0 1193.3 1198.5	7.02 7.13 7.24 7.35	1.6435 1.6471 1.6541 1.6609 1.6676	1182.5 1187.8 1193.1 1198.3	6.91 7.02 7.12 7.23	[295.9] 1.6422 1.6451 1.6521 1.6589 1.6656 1.6721	1182.2 1187.5 1192.8 1198.1	6.80 6.90 7.01 7.11	1.6409 1.6431 1.6501 1.6569 1.6636	1181.9 1187.3 1192.6 1197.9
300 310 320 330 340	7.15 7.26 7.37 7.48 7.59	1.6448 1.6492 1.6561 1.6629 1.6696 1.6761	1182.7 1188.0 1193.3 1198.5 1203.7	7.02 7.13 7.24 7.35 7.46	1.6435 1.6471 1.6541 1.6609 1.6676 1.6741 1.6805	1182.5 1187.8 1193.1 1198.3 1203.5	6.91 7.02 7.12 7.23 7.34	[295.9] 1.6422 1.6451 1.6521 1.6589 1.6656 1.6721 1.6785	1182.2 1187.5 1192.8 1198.1 1203.3	6.80 6.90 7.01 7.11 7.22 7.32 7.43 7.53	1.6409 1.6431 1.6501 1.6569 1.6636 1.6702	1181.9 1187.3 1192.6 1197.9 1203.1
300 310 320 330 340 350 360	7.15 7.26 7.37 7.48 7.59 7.70 7.80	1.6448 1.6492 1.6561 1.6629 1.6696 1.6761 1.6825 1.6888	1182.7 1188.0 1193.3 1198.5 1203.7	7.02 7.13 7.24 7.35 7.46 7.57 7.67	1.6435 1.6471 1.6541 1.6609 1.6676 1.6741 1.6805 1.6868	1182.5 1187.8 1193.1 1198.3 1203.5 1208.6 1213:7	6.91 7.02 7.12 7.23 7.34 7.45 7.55 7.65	1.6422 1.6451 1.6521 1.6589 1.6656 1.6721 1.6785 1.6848 1.6910 1.6971	1182.2 1187.5 1192.8 1198.1 1203.3 1208.4 1213.6 1218.7 1223.8	6.80 6.90 7.01 7.11 7.22 7.32 7.43	1.6409 1.6431 1.6501 1.6536 1.6702 1.6766 1.6829	1181.9 1187.3 1192.6 1197.9 1203.1 1208.2 1213.4 1218.5 1223.6
300 310 320 330 340 350 360 370	7.15 7.26 7.37 7.48 7.59 7.70 7.80 7.91	1.6448 1.6492 1.6561 1.6629 1.6696 1.6761 1.6825 1.6888 1.6950	1182.7 1188.0 1193.3 1198.5 1203.7 1208.8 1213.9 1219.0	7.02 7.13 7.24 7.35 7.46 7.57 7.67 7.78	1.6435 1.6471 1.6541 1.6609 1.6676 1.6741 1.6805 1.6868 1.6930	1182.5 1187.8 1193.1 1198.3 1203.5 1208.6 1213:7 1218.8	6.91 7.02 7.12 7.23 7.34 7.45 7.55 7.65	1.6422 1.6451 1.6521 1.6589 1.6656 1.6721 1.6785 1.6848 1.6910	1182.2 1187.5 1192.8 1198.1 1203.3 1208.4 1213.6 1218.7	6.80 6.90 7.01 7.11 7.22 7.32 7.43 7.53	1.6409 1.6431 1.6501 1.6569 1.6636 1.6702 1.6766 1.6829 1.6891	1181.9 1187.3 1192.6 1197.9 1203.1 1208.2 1213.4 1218.5
300 310 320 330 340 350 360 370 380 390	7.15 7.26 7.37 7.48 7.59 7.70 7.80 7.91 8.02 8.12	1.6448 1.6492 1.6561 1.6629 1.6696 1.6761 1.6825 1.6888 1.6950 1.7010	1182.7 1188.0 1193.3 1198.5 1203.7 1208.8 1213.9 1219.0 1224.1 1229.1	7.02 7.13 7.24 7.35 7.46 7.57 7.67 7.78 7.89 7.99	1.6435 1.6471 1.6541 1.6609 1.6676 1.6741 1.6805 1.6868 1.6930 1.7050	1182.5 1187.8 1193.1 1198.3 1203.5 1208.6 1213:7 1218.8 1223.9 1229.0	6.91 7.02 7.12 7.23 7.34 7.45 7.55 7.65 7.76 7.86	1.6422 1.6451 1.6521 1.6589 1.6656 1.6721 1.6785 1.6848 1.6910 1.6971 1.7031	1182.2 1187.5 1192.8 1198.1 1203.3 1208.4 1213.6 1218.7 1223.8 1228.8	6.80 6.90 7.01 7.11 7.22 7.32 7.43 7.53 7.63 7.73	1.6409 1.6431 1.6501 1.6569 1.6636 1.6702 1.6766 1.6829 1.6891 1.6952	1181.9 1187.3 1192.6 1197.9 1203.1 1208.2 1213.4 1218.5 1223.6
300 310 320 330 340 350 360 370 380 390	7.15 7.26 7.37 7.48 7.59 7.70 7.80 7.91 8.02 8.12	1.6448 1.6492 1.6561 1.6629 1.6696 1.6761 1.6825 1.6888 1.6950 1.7010 1.7070	1182.7 1188.0 1193.3 1198.5 1203.7 1208.8 1213.9 1219.0 1224.1 1229.1	7.02 7.13 7.24 7.35 7.46 7.57 7.67 7.78 7.89 7.99	1.6435 1.6471 1.6541 1.6699 1.6676 1.6741 1.6805 1.6930 1.6990 1.7050	1182.5 1187.8 1193.1 1198.3 1203.5 1208.6 1213:7 1218.8 1223.9 1229.0	6.91 7.02 7.12 7.23 7.34 7.45 7.55 7.65	1.6451 1.6521 1.6589 1.6656 1.6721 1.6785 1.6848 1.6910 1.6971 1.7031	1182.2 1187.5 1192.8 1198.1 1203.3 1208.4 1213.6 1218.7 1223.8 1228.8	6.80 6.90 7.01 7.11 7.22 7.32 7.43 7.53 7.63 7.73	1.6409 1.6431 1.6501 1.6569 1.6636 1.6702 1.6766 1.6829 1.6891 1.6952 1.7012	1181.9 1187.3 1192.6 1197.9 1203.1 1208.2 1213.4 1218.5 1223.6 1228.6
300 310 320 330 340 350 360 370 380 390	7.15 7.26 7.37 7.48 7.59 7.70 7.80 7.80 8.02 8.12 8.23 8.34	1.6448 1.6492 1.6561 1.6629 1.6696 1.6761 1.6825 1.6888 1.6950 1.7010 1.7070	1182.7 1188.0 1193.3 1198.5 1203.7 1208.8 1213.9 1219.0 1224.1 1229.1	7.02 7.13 7.24 7.35 7.46 7.57 7.67 7.78 7.89 7.99	1.6435 1.6471 1.6541 1.6609 1.6676 1.6741 1.6805 1.6868 1.6930 1.7050	1182.5 1187.8 1193.1 1198.3 1203.5 1208.6 1213:7 1218.8 1223.9 1229.0	6.91 7.02 7.12 7.23 7.34 7.45 7.55 7.65 7.76 7.86	1.6451 1.6521 1.6589 1.6656 1.6721 1.6785 1.6848 1.6910 1.6971 1.7031	1182.2 1187.5 1192.8 1198.1 1203.3 1208.4 1213.6 1218.7 1223.8 1228.8	6.80 6.90 7.01 7.11 7.22 7.32 7.43 7.53 7.63 7.73	1.6409 1.6431 1.6501 1.6569 1.6636 1.6702 1.6766 1.6829 1.6891 1.6952	1181.9 1187.3 1192.6 1197.9 1203.1 1208.2 1213.4 1218.5 1223.6 1228.6
300 310 320 330 340 350 360 370 380 390 410	7.15 7.26 7.37 7.48 7.59 7.70 7.80 7.91 8.02 8.12	1.6448 1.6492 1.6561 1.6629 1.6696 1.6761 1.6825 1.6888 1.6950 1.7010 1.7070	1182.7 1188.0 1193.3 1198.5 1203.7 1208.8 1213.9 1219.0 1224.1 1229.1	7.02 7.13 7.24 7.35 7.46 7.57 7.67 7.78 7.89 7.99 8.09 8.20	1.6435 1.6471 1.6541 1.6609 1.6676 1.6741 1.6805 1.6863 1.6990 1.7050 1.7109 1.7109	1182.5 1187.8 1193.1 1198.3 1203.5 1208.6 1213.7 1218.8 1223.9 1229.0	6.91 7.02 7.12 7.23 7.34 7.45 7.55 7.65 7.76 7.86	1.6422 1.6451 1.6521 1.6589 1.6656 1.6721 1.6785 1.6848 1.6910 1.6971 1.7030	. 1182.2 1187.5 1192.8 1198.1 1203.3 1208.4 1213.6 1218.7 1223.8 1228.8	6.80 6.90 7.01 7.11 7.22 7.32 7.43 7.53 7.63 7.73	1.6409 1.6431 1.6501 1.6569 1.6636 1.6702 1.6766 1.6829 1.6891 1.6952 1.7012	1181.9 1187.3 1192.6 1197.9 1203.1 1208.2 1213.4 1218.5 1223.6 1228.6
300 310 320 330 340 350 360 370 380 390 400 410 420	7.15 7.26 7.37 7.48 7.59 7.70 7.80 7.91 8.02 8.12 8.23 8.34 8.44	[293.8] 1.6448 1.6492 1.6561 1.6629 1.6696 1.6761 1.6825 1.6888 1.6950 1.7010 1.7070 1.7128 1.7128 1.71243	1182.7 1188.0 1193.3 1198.5 1203.7 1208.8 1213.9 1213.9 1224.1 1229.1	7.02 7.13 7.24 7.35 7.46 7.57 7.67 7.78 7.89 7.99 8.09 8.20 8.30	1.6435 1.6471 1.6541 1.6669 1.6741 1.6805 1.6868 1.6930 1.7050 1.7109 1.7109 1.7109	1182.5 1187.8 1193.1 1203.5 1208.6 1213.7 1218.8 1223.9 1229.0	6.91 7.02 7.12 7.23 7.34 7.45 7.55 7.65 7.76 7.86	1.6422 1.6451 1.6521 1.6589 1.6656 1.6721 1.6785 1.6848 1.6910 1.7031 1.7090 1.7148 1.7205	. 1182.2 1187.5 1192.8 1198.1 1203.3 1208.4 1213.6 1218.7 1223.8 1228.8	6.80 6.90 7.01 7.11 7.22 7.32 7.43 7.53 7.63 7.73 7.84 7.94	1.6409 1.6431 1.6501 1.6569 1.6636 1.6702 1.6766 1.6829 1.6952 1.7012 1.7071 1.7071 1.7129 1.7187	1181.9 1187.3 1192.6 1197.9 1203.1 1208.2 1213.4 1218.5 1223.6 1228.6
300 310 320 330 340 350 360 370 380 390 410 420 430 440	7.15 7.26 7.37 7.48 7.59 7.70 7.80 7.91 8.02 8.12 8.23 8.34 8.44 8.54 8.65	1.6448 1.6492 1.6561 1.6629 1.6696 1.6761 1.6825 1.6888 1.6950 1.7010 1.7070 1.7128 1.7186 1.7243 1.7299 1.7355	1182.7 1188.0 1193.3 1198.5 1203.7 1208.8 1213.9 1219.0 1224.1 1229.1 1234.2 1239.2 1244.2 1249.1	7.02 7.13 7.24 7.35 7.46 7.57 7.67 7.78 7.89 7.99 8.09 8.20 8.30 8.40 8.51	1.6435 1.6471 1.6541 1.6609 1.6676 1.6741 1.6805 1.6868 1.6930 1.7050 1.7167 1.7224 1.7236 1.7236	1182.5 1187.8 1193.1 1203.5 1203.5 1218.8 1223.9 1229.0 1234.0 1239.0 1244.0 1253.9	6.91 7.02 7.12 7.23 7.34 7.45 7.55 7.76 7.86 7.96 8.06 8.17 8.27 8.37	[295.9] 1.6451 1.6521 1.6589 1.6656 1.6721 1.6785 1.6848 1.6910 1.7031 1.7090 1.7148 1.7205 1.7261 1.7317	1182.2 1187.5 1192.8 1198.1 1203.3 1208.4 1213.6 1218.7 1223.8 1228.8 1233.9 1243.9 1248.8 1253.8	6.80 6.90 7.01 7.11 7.22 7.32 7.43 7.53 7.63 7.73 7.84 7.94 8.04 8.14 8.24	1.6409 1.6431 1.6501 1.6569 1.6636 1.6702 1.6766 1.6829 1.6891 1.6952 1.7012 1.7011 1.7129 1.7187 1.7243 1.7298	1181.9 1187.3 1192.6 1197.9 1203.1 1208.2 1213.4 1218.5 1223.6 1228.6 1233.7 1248.7 1248.7 1253.7
300 310 320 330 340 350 360 370 380 390 400 410 420 430 440	7.15 7.26 7.37 7.48 7.59 7.70 7.80 8.02 8.12 8.23 8.34 8.44 8.54 8.65	[293.8] 1.6448 1.6492 1.6561 1.6629 1.6696 1.6761 1.6825 1.7010 1.7070 1.7128 1.7128 1.7129 1.7355	1182.7 1188.0 1193.3 1198.5 1203.7 1208.8 1213.9 1219.0 1224.1 1229.1 1239.2 1244.2 1249.1 1254.1	7.02 7.13 7.24 7.35 7.46 7.57 7.67 7.78 7.89 7.99 8.09 8.20 8.30 8.40 8.51	1.6435 1.6471 1.6541 1.6669 1.6741 1.6865 1.6868 1.6990 1.7050 1.7167 1.7224 1.7280 1.7336	1182.5 1187.8 1193.1 1198.3 1203.5 1208.6 1213.7 1218.8 1223.9 1229.0 1239.0 1244.0 1249.0 1253.9	6.91 7.02 7.12 7.23 7.34 7.45 7.55 7.65 7.76 7.86 8.06 8.17 8.27 8.37	1.6422 1.6451 1.6521 1.6589 1.6656 1.6721 1.6785 1.6848 1.6910 1.7031 1.7090 1.7148 1.7205 1.7261 1.7317	1182.2 1187.5 1192.8 1198.1 1203.3 1208.4 1213.6 1218.7 1223.8 1228.8 1233.9 1243.9 1243.9 1248.8 1253.8	6.80 6.90 7.01 7.11 7.22 7.32 7.43 7.53 7.63 7.73 7.84 7.94 8.04 8.14 8.24	1.6409 1.6431 1.6501 1.6569 1.6636 1.6702 1.6889 1.6952 1.7011 1.7071 1.7129 1.7187 1.7243 1.7298	1181.9 1187.3 1192.6 1197.9 1203.1 1208.2 1213.4 1218.5 1223.6 1228.6 1233.7 1248.7 1248.7 1253.7
300 310 320 330 340 350 360 370 380 390 410 420 430 440 450 460	7.15 7.26 7.37 7.48 7.59 7.70 7.80 8.02 8.12 8.23 8.34 8.54 8.65 8.75 8.86	1.6448 1.6492 1.6561 1.66629 1.6666 1.6761 1.6825 1.6888 1.6950 1.7010 1.7070 1.7128 1.7243 1.7299 1.7355	1182.7 1188.0 1193.3 1198.5 1203.7 1208.8 1213.9 1219.0 1224.1 1229.1 1234.2 1244.2 1249.1 1254.1	7.02 7.13 7.24 7.35 7.46 7.57 7.67 7.78 7.89 7.99 8.09 8.20 8.30 8.40 8.51 8.61 8.71	1.6435 1.6471 1.6541 1.6669 1.6676 1.6741 1.6805 1.6868 1.6930 1.7050 1.7109 1.7167 1.7224 1.7280 1.7336	1182.5 1187.8 1193.1 1203.5 1208.6 1213.7 1218.8 1223.9 1229.0 1234.0 1249.0 1249.0 1253.9	6.91 7.02 7.12 7.23 7.34 7.45 7.55 7.65 7.76 7.86 8.06 8.17 8.27 8.37	1.6422 1.6451 1.6521 1.6589 1.6656 1.6721 1.6785 1.6848 1.6910 1.7031 1.7090 1.7148 1.7205 1.7261 1.7317	1182.2 1187.5 1192.8 1198.1 1203.3 1208.4 1213.6 1218.7 1223.8 1228.8 1233.9 1243.9 1248.8 1253.8	6.80 6.90 7.01 7.11 7.22 7.32 7.43 7.53 7.63 7.73 7.84 7.94 8.04 8.14 8.24	1.6409 1.6431 1.6501 1.6569 1.6636 1.6702 1.6766 1.6829 1.6952 1.7071 1.7129 1.7187 1.7243 1.7298	1181.9 1187.3 1192.6 1197.9 1203.1 1208.2 1213.4 1218.5 1223.6 1228.6 1233.7 1248.7 1248.7 1253.7
300 310 320 330 340 350 360 370 380 390 400 410 420 430 440	7.15 7.26 7.37 7.48 7.59 7.70 7.80 7.91 8.02 8.12 8.34 8.44 8.54 8.65 8.75 8.86	1.6448 1.6492 1.6561 1.6629 1.6696 1.6761 1.6825 1.6888 1.6950 1.7010 1.7070 1.7128 1.7186 1.7243 1.7293 1.7355 1.7409 1.7463	1182.7 1188.0 1193.3 1198.5 1203.7 1208.8 1213.9 1219.0 1224.1 1229.1 1239.2 1244.2 1249.1 1254.1	7.02 7.13 7.24 7.35 7.46 7.57 7.67 7.78 7.89 7.99 8.09 8.20 8.30 8.40 8.51	1.6435 1.6471 1.6541 1.6669 1.6741 1.6865 1.6868 1.6990 1.7050 1.7167 1.7224 1.7280 1.7336	1182.5 1187.8 1193.1 1198.3 1203.5 1208.6 1213.7 1218.8 1223.9 1229.0 1239.0 1244.0 1249.0 1253.9	6.91 7.02 7.12 7.23 7.34 7.45 7.55 7.65 7.76 7.86 8.06 8.17 8.27 8.37	1.6422 1.6451 1.6521 1.6589 1.6656 1.6721 1.6785 1.6848 1.6910 1.7031 1.7090 1.7148 1.7205 1.7261 1.7317	1182.2 1187.5 1192.8 1198.1 1203.3 1208.4 1213.6 1218.7 1223.8 1228.8 1233.9 1243.9 1243.9 1248.8 1253.8	6.80 6.90 7.01 7.11 7.22 7.32 7.43 7.53 7.63 7.73 7.84 7.94 8.04 8.14 8.24	1.6409 1.6431 1.6501 1.6569 1.6636 1.6702 1.6766 1.6829 1.6952 1.7012 1.7187 1.71243 1.7298 1.7353 1.7407 1.71461	1181.9 1187.3 1192.6 1197.9 1203.1 1208.2 1213.4 1218.5 1223.6 1228.6 1233.7 1243.7 1243.7 1243.7 1253.7
300 310 320 330 340 350 360 370 380 390 410 420 430 440 450 460 470	7.15 7.26 7.37 7.48 7.59 7.70 7.80 8.02 8.12 8.23 8.34 8.54 8.65 8.75 8.86	1.6448 1.6492 1.6561 1.66629 1.6666 1.6761 1.6825 1.6888 1.6950 1.7010 1.7070 1.7128 1.7243 1.7299 1.7355	1182.7 1188.0 1193.3 1198.5 1203.7 1208.8 1213.9 1219.0 1224.1 1229.1 1234.2 1234.2 124.2 124.1 1254.1	7.02 7.13 7.24 7.35 7.46 7.57 7.67 7.78 7.89 7.99 8.09 8.30 8.30 8.40 8.51 8.61 8.71 8.81	1.6435 1.6471 1.6541 1.6609 1.6676 1.6741 1.6805 1.6868 1.6930 1.7050 1.7109 1.7109 1.71224 1.7280 1.7336	1182.5 1187.8 1193.1 1198.3 1203.5 1208.6 1213.7 1218.8 1223.9 1229.0 1234.0 1234.0 1249.0 1253.9 1253.9	6.91 7.02 7.12 7.23 7.34 7.45 7.65 7.76 7.86 7.96 8.06 8.17 8.27 8.37 8.47 8.57 8.67	1.6422 1.6451 1.6521 1.6589 1.6656 1.6721 1.6785 1.6848 1.6910 1.7031 1.7030 1.7140 1.7205 1.7261 1.7317	. 1182.2 1187.5 1192.8 1198.1 1203.3 1208.4 1213.6 1218.7 1223.8 1223.8 1233.9 1243.9 1244.9 1248.8 1253.8	6.80 6.90 7.01 7.11 7.22 7.32 7.43 7.53 7.63 7.73 7.84 7.94 8.04 8.14 8.24	1.6409 1.6431 1.6501 1.6569 1.6636 1.6702 1.6766 1.6829 1.6952 1.7071 1.7129 1.7187 1.7243 1.7298	1181.9 1187.3 1192.6 1197.9 1203.1 1208.2 1213.4 1218.5 1223.6 1228.6 1233.7 1248.7 1248.7 1253.7
300 310 320 330 340 350 370 380 390 410 420 430 440 450 460 470 480 490	7.15 7.26 7.37 7.48 7.59 7.70 7.80 8.02 8.12 8.34 8.44 8.54 8.65 8.75 8.86 9.06 9.16	1.6448 1.6492 1.6561 1.6629 1.6666 1.6761 1.6825 1.7010 1.7070 1.7128 1.7186 1.7243 1.7299 1.7463 1.7516 1.7569 1.7621	1182.7 1188.0 1193.3 1198.5 1203.7 1208.8 1213.9 1219.0 1224.1 1229.1 1239.2 1244.2 1249.1 1254.1 1254.1 1254.2 1268.9 1273.8	7.02 7.13 7.24 7.35 7.46 7.57 7.67 7.78 7.89 7.99 8.20 8.30 8.40 8.51 8.61 8.71 8.81 8.91 9.01	1.6435 1.6471 1.6541 1.6669 1.6741 1.6805 1.6868 1.6930 1.7050 1.7169 1.7167 1.7224 1.7280 1.7336 1.7390 1.7444 1.7497 1.7550 1.7602	1182.5 1187.8 1193.1 1203.5 1208.6 1213.7 1218.8 1223.9 1229.0 1234.0 1244.0 1253.9 1253.9 1263.8 1268.8 1273.7 1278.6	6.91 7.02 7.12 7.23 7.34 7.45 7.55 7.76 7.86 8.06 8.17 8.27 8.37 8.47 8.57 8.67 8.78	1.6422 1.6451 1.6521 1.6589 1.6656 1.6721 1.6785 1.6848 1.6910 1.7031 1.7090 1.7148 1.7205 1.7261 1.7317 1.7372 1.7426 1.7479 1.7532 1.7584	1182.2 1187.5 1192.8 1198.1 1203.3 1208.4 1213.6 1218.7 1223.8 1228.8 1233.9 1243.9 1243.9 1243.9 1243.8 1253.8 1253.8	6.80 6.90 7.01 7.11 7.22 7.32 7.43 7.53 7.63 7.73 7.84 7.94 8.04 8.14 8.34 8.44 8.53 8.63 8.73	1.6409 1.6431 1.6501 1.6569 1.6636 1.6702 1.6766 1.6829 1.6952 1.7012 1.7071 1.7129 1.7187 1.7243 1.7298 1.7353 1.7407 1.7461 1.7514	1181.9 1187.3 1192.6 1197.9 1203.1 1208.2 1213.4 1218.5 1223.6 1228.6 1243.7 1248.7 1253.7 1253.7 1253.7 1258.6 1268.5 1273.5
300 310 320 330 340 350 370 380 390 400 410 420 430 440 450 460 470 480 490	7.15 7.26 7.37 7.48 7.59 7.70 7.80 7.91 8.02 8.12 8.34 8.44 8.54 8.65 8.75 8.86 9.06 9.16	[293.8] 1.6448 1.6492 1.6561 1.6629 1.6666 1.6761 1.6825 1.7010 1.7070 1.7128 1.7128 1.7243 1.7299 1.7355 1.7409 1.7463 1.7516 1.7569 1.7621	1182.7 1188.0 1193.3 1198.5 1203.7 1208.8 1213.9 1219.0 1224.1 1229.1 1234.2 1234.2 1244.2 124.1 1254.1 1254.1 1258.9 1273.8 1278.7	7.02 7.13 7.24 7.35 7.46 7.57 7.67 7.78 7.89 7.99 8.09 8.30 8.30 8.40 8.51 8.61 8.71 8.81 8.91 9.01	1.6435 1.6471 1.6541 1.6669 1.6676 1.6741 1.6865 1.6868 1.6930 1.7050 1.7167 1.7224 1.7280 1.7336 1.7390 1.7444 1.7497 1.7550 1.7602	1182.5 1187.8 1193.3 1203.5 1208.6 1213.7 1218.8 1223.9 1229.0 1234.0 1249.0 1253.9 1268.8 1273.7 1278.6	6.91 7.02 7.12 7.23 7.34 7.45 7.65 7.76 7.86 8.66 8.17 8.27 8.37 8.47 8.57 8.87 8.87	1.6422 1.6451 1.6521 1.6589 1.6656 1.6721 1.6785 1.6848 1.6910 1.7031 1.7030 1.71426 1.7261 1.7317 1.7372 1.7426 1.7479 1.7532 1.7584 1.7635	. 1182.2 1187.5 1192.8 1198.1 1203.3 1208.4 1213.6 1218.7 1223.8 1228.8 1233.9 1243.9 1243.9 1243.8 1253.8 1253.8 1253.8	6.80 6.90 7.01 7.11 7.22 7.32 7.43 7.53 7.63 7.73 7.84 7.94 8.04 8.14 8.24 8.34 8.53 8.63 8.73	1.6409 1.6431 1.6501 1.6569 1.6636 1.6702 1.6766 1.6829 1.6952 1.7012 1.7071 1.7129 1.7187 1.7243 1.7298 1.7353 1.7407 1.7461 1.7514 1.7566 1.7617	1181.9 1187.3 1192.6 1197.9 1203.1 1208.2 1213.4 1218.5 1223.6 1228.6 1233.7 1243.7 1243.7 1253.7 1253.7
300 310 320 330 340 350 360 370 380 390 410 420 440 450 450 490 550	7.15 7.26 7.37 7.48 7.59 7.70 7.80 7.91 8.02 8.12 8.34 8.44 8.54 8.65 8.75 8.86 9.06 9.16	1.6448 1.6492 1.6561 1.6629 1.6696 1.6761 1.6825 1.6888 1.6950 1.7070 1.7128 1.7128 1.7243 1.7243 1.7256 1.7569 1.7569 1.7621 1.7672	1182.7 1188.0 1193.3 1198.5 1203.7 1208.8 1213.9 1219.0 1224.1 1229.1 1234.2 1249.2 1249.1 1254.1 1259.0 1268.9 1273.8 1278.7	7.02 7.13 7.24 7.35 7.46 7.57 7.67 7.78 7.89 7.99 8.20 8.30 8.40 8.51 8.61 8.71 8.81 8.91 9.01	1.6435 1.6471 1.6541 1.6669 1.6676 1.6741 1.6805 1.6868 1.6930 1.7050 1.7109 1.71224 1.7280 1.7336 1.7390 1.7444 1.7497 1.7550 1.7602 1.7654 1.7902	1182.5 1187.8 1193.3 1203.5 1208.6 1213.7 1218.8 1223.9 1229.0 1234.0 1239.0 1244.0 1249.0 1253.9 1263.8 1273.7 1278.6	6.91 7.02 7.12 7.23 7.34 7.45 7.55 7.65 7.76 7.86 8.97 8.37 8.47 8.57 8.57 8.47 8.57 8.57 8.67 8.97 9.46	1.6422 1.6451 1.6521 1.6589 1.6656 1.6721 1.6785 1.6848 1.6910 1.7031 1.7090 1.71405 1.7261 1.7372 1.7479 1.7372 1.7479 1.7532 1.7584 1.7635 1.7884	. 1182.2 1187.5 1192.8 1198.1 1203.3 1208.4 1213.6 1218.7 1223.8 1228.8 1233.9 1248.8 1253.8 1258.8 1263.7 1273.6 1273.6 1278.5	6.80 6.90 7.01 7.11 7.22 7.32 7.43 7.53 7.63 7.73 7.84 7.94 8.14 8.34 8.34 8.34 8.43 8.63 8.73 8.83 9.31	1.6409 1.6431 1.6501 1.6569 1.6636 1.6702 1.6766 1.6829 1.6952 1.7071 1.7129 1.7187 1.7243 1.7298 1.7353 1.7407 1.7461 1.7514 1.7566 1.7617 1.7866	1181.9 1187.3 1192.6 1197.9 1203.1 1208.2 1213.4 1218.5 1223.6 1228.6 1233.7 1248.7 1248.7 1253.7 1253.7 126.6 1263.6 1273.5 1273.5 1278.4
300 310 320 330 340 350 370 380 390 410 410 420 440 450 470 480 490 550 600	7.15 7.26 7.37 7.48 7.59 7.70 7.80 7.91 8.02 8.12 8.34 8.44 8.55 8.75 8.86 9.06 9.16	[293.8] 1.6448 1.6492 1.6561 1.6629 1.6696 1.6761 1.6825 1.7010 1.7070 1.7128 1.7186 1.7243 1.7299 1.7355 1.7409 1.7516 1.7562 1.7672 1.7672 1.7921 1.7672	1182.7 1188.0 1193.3 1198.5 1203.7 1208.8 1213.9 1219.0 1224.1 1229.1 1239.2 1244.2 1249.1 1254.1 1254.1 1258.1 1264.0 1268.9 1273.8 1278.7	7.02 7.13 7.24 7.35 7.46 7.57 7.67 7.78 7.89 7.99 8.20 8.30 8.40 8.51 8.61 8.71 8.81 9.01 9.11 9.61	1.6435 1.6471 1.6541 1.6669 1.6741 1.6805 1.6930 1.7050 1.7167 1.7224 1.7280 1.7336 1.7390 1.7444 1.7497 1.7550 1.7602	1182.5 1187.8 1193.1 1203.5 1203.5 1213.7 1218.8 1223.9 1229.0 1234.0 1249.0 1253.9 1263.8 1263.8 1273.7 1278.6	6.91 7.02 7.12 7.23 7.34 7.45 7.55 7.76 7.86 7.96 8.06 8.17 8.27 8.37 8.47 8.57 8.57 8.67 9.46 9.95	1.6422 1.6451 1.6521 1.6589 1.6656 1.6721 1.6785 1.6848 1.6910 1.7031 1.7090 1.7148 1.7205 1.7261 1.7317 1.7372 1.7426 1.7479 1.7584 1.7635 1.7884 1.7635 1.7884 1.8121	. 1182.2 1187.5 1192.8 1198.1 1203.3 1208.4 1213.6 1218.7 1223.8 1228.8 1233.9 1243.9 1243.9 1248.8 1253.8 1253.8 1263.7 1278.5	6.80 6.90 7.01 7.11 7.22 7.32 7.43 7.53 7.63 7.73 7.84 7.94 8.04 8.14 8.24 8.34 8.53 8.63 8.73	[296.9] 1.6409 1.6431 1.6501 1.6569 1.6636 1.6766 1.6829 1.6891 1.6952 1.7012 1.7071 1.7129 1.7187 1.7243 1.7298 1.7353 1.7407 1.7461 1.7566 1.7617 1.7866 1.8103	1181.9 1187.3 1192.6 1197.9 1203.1 1208.2 1213.4 1218.5 1223.6 1228.6 1233.7 1243.7 1243.7 1253.7 1253.7 1253.7 1278.6 1263.5 1273.5 1278.4
300 310 320 330 340 350 360 370 380 390 410 420 440 450 450 490 550	7.15 7.26 7.37 7.48 7.59 7.70 7.80 7.91 8.02 8.12 8.34 8.44 8.54 8.65 8.75 8.86 9.06 9.16	1.6448 1.6492 1.6561 1.6629 1.6666 1.6761 1.6825 1.6888 1.6950 1.7010 1.7070 1.7128 1.7186 1.7243 1.7299 1.7453 1.7516 1.7569 1.7672 1.7672 1.7921 1.7872 1.8383	1182.7 1188.0 1193.3 1198.5 1203.7 1208.8 1213.9 1219.0 1224.1 1229.1 1234.2 1249.2 1249.1 1254.1 1259.0 1268.9 1273.8 1278.7	7.02 7.13 7.24 7.35 7.46 7.57 7.67 7.78 7.89 7.99 8.20 8.30 8.40 8.51 8.61 8.71 8.81 8.91 9.01	1.6435 1.6471 1.6541 1.6669 1.6676 1.6741 1.6805 1.6868 1.6930 1.7050 1.7109 1.71224 1.7280 1.7336 1.7390 1.7444 1.7497 1.7550 1.7602 1.7654 1.7902	1182.5 1187.8 1193.3 1203.5 1208.6 1213.7 1218.8 1223.9 1229.0 1234.0 1239.0 1244.0 1249.0 1253.9 1263.8 1273.7 1278.6	6.91 7.02 7.12 7.23 7.34 7.45 7.55 7.65 7.76 7.86 8.97 8.37 8.47 8.57 8.57 8.47 8.57 8.57 8.67 8.97 9.46	1.6422 1.6451 1.6521 1.6589 1.6656 1.6721 1.6785 1.6848 1.6910 1.7031 1.7090 1.71405 1.7261 1.7372 1.7479 1.7372 1.7479 1.7532 1.7584 1.7635 1.7884	. 1182.2 1187.5 1192.8 1198.1 1203.3 1208.4 1213.6 1218.7 1223.8 1228.8 1233.9 1248.8 1253.8 1258.8 1263.7 1273.6 1273.6 1278.5	6.80 6.90 7.011 7.22 7.32 7.43 7.53 7.63 7.73 7.84 7.94 8.04 8.14 8.24 8.34 8.44 8.53 8.63 8.73 8.83 9.31 9.79	1.6409 1.6431 1.6501 1.6569 1.6636 1.6702 1.6766 1.6829 1.6952 1.7071 1.7129 1.7187 1.7243 1.7298 1.7353 1.7407 1.7461 1.7514 1.7566 1.7617 1.7866	1181.9 1187.3 1192.6 1197.9 1203.1 1208.2 1213.4 1218.5 1223.6 1228.6 1233.7 1248.7 1248.7 1253.7 1253.7 126.6 1263.6 1273.5 1273.5 1278.4

Pres- sure	65 [298.0]				66 [299.0]			67 [300.0]		68 [301.0]		
Temp F.	▼	8	i	▼	8	i	•		i	▼		i
Sat.	6.66	1.6397	1180.6	6.57	1.6384	1180.9	6.48	1.6372	1181.2	6.39	1.6360	1181.5
310	6.79	1.6481	1187.1	6.69	1.6461	1186.8	6.58	1.6442	1186.6	6.48	1.6423	1186.3
320	6.90	1.6550	1192.4	6.79	1.6530	1192.1	6.68	1.6511	1191.9	6.58	1.6492	1191.7
330	7.00	1.6617	1197.6	6.89	1.6598	1197.4	6.78	1.6579	1197.2	6.68	1.6560	1197.0
340	7.11	1.6682	1202.8	6.99	1.6663	1202.6	6.88	1.6645	1202.4	6.78	1.6626	1202.2
350	7.21	1.6747	1208.0	7.10	1.6728	1207.8	6.98	1.6710	1207.6	6.88	1.6691	1207.4
360	7.31	1.6810	1213.2	7.20	1.6791	1213.0	7.08		1212.8	6.98	1.6755	1217.8
370 380	7.41 7.51	1.6933	1218.3	7.30	1.6854	1223.2	7.18	1.6835	1223.0	7.07	1.6879	1222.9
390	7.61	1.6993	1228.5	7.49	1.6975	1228.3	7.38	1.6957	1228.1	7.27	1.6939	1228.0
400	7.71	1.7052	1233.5	7.59	1.7034	1233.4	7.48	1.7016	1233.2	7.36	1.6998	1233.1
410	7.81	1.7111	1238.6	7.69	1.7093	1238.4	7.57	1.7075	1238.3	7.46	1.7057	1238.1
420	7.91	1.7168	1243.6	7.79	1.7150	1243.4	7.67	1.7132	1243.3	7.56	1.7114	1243.2
430	8.01	1.7225	1248.6	7.89	1.7207	1248.4	7.77	1.7189	- 1248.3	7.65	1.7171	1248.2
440	8.11	1.7280	1253.6	7.98	1.7262	1253.4	7.86	1.7244	1253.3	7.74	1.7227	1253.2
450	8.21	1.7335	1258.5	8.08	1.7317	1258.4	7.96	1.7299	1258.3	7.84	1.7282	1258.1
460	8.30	1.7389	1263.5	8.18	1.7371	1263.4	8.05	1.7354	1263.2	7.93	1.7336	1 263.1
470	8.40	1.7443	1268.4	8.27	1.7425	1268.3	8.14	1.7407	1268.2	8.02	1.7390	1 268.1
480	8.50	1.7496	1273.4	8-37	1.7478	1273.3	8.24	1.7460	1273.1	8.12	1.7443	1273.0
490	8.59	1.7548	1278.3	8.46	1.7530	1278.2	8.33	1.7512	1278.1	8.21	1.7495	1278.0
500	8.69	1.7599	1283.2	8.56	1.7581	1283.1	8.43	1.7564	1283.0	8.30	1.7547	1 282.9
520	9.17	1.7848	1307.7	9.03	1.7831	1307.7	8.89	1.7814	1307.6	8.76	1.7797	1307.5
600	9.64	1.8085	1332.2	9.49	1.8068	1332.2	9.35	1.8051	1332.1	9.21	1.8034	1332.0
650 700	10.11	1.8311	1356.7	9.96	1.8294	1356.7	9.81	1.8277	1356.6 1381.2	9.66	1.8260	1356.6 1381.2
-	-	_							_	_		_
750 	11.05	1.8737	1406.1	10.88	1.8720	1406.1	10.72	1.8703	1406.0	10.56	1.8687	1406.0
	69 [302.0]		70 [302.9]			71 [303.9]			72 [304.8]			
		[302.0]			7 U [302.9]			71 [303.9]				
Sat.	6.30		1181.7	6.22		1182.0	6.13		1182.3	6.05		1182.5
Sat. 310	6.38	[302.0]	1181.7	6.22	[302.9]	1182.0	6.13	[303.9]	1182.3	6.05	[304.8]	1182.5
	6.38 6.48	[302.0] 1.6348 1.6405 1.6474	1186.1	6.29 6.38	[302.9] 1.6336 1.6386 1.6456	1185.8	_	[303.9] 1.6324 1.6368 1.6438	1185.6	6.10 6.20	[304.8] 1.6313 1.6350 1.6420	1185.3
310 320 330	6.38 6.48 6.58	[302.0] 1.6348 1.6405 1.6474 1.6542	1186.1 1191.4 1196.7	6.29 6.38 6.48	[302.9] 1.6336 1.6386 1.6456 1.6524	1185.8 1191.2 1196.5	6.19 6.29 6.39	[303.9] 1.6324 1.6368 1.6438 1.6506	1185.6 1191.0 1196.3	6.10 6.20 6.30	[304.8] 1.6313 1.6350 1.6420 1.6488	1185.3 1190.7 1196.1
310 320	6.38 6.48	[302.0] 1.6348 1.6405 1.6474	1186.1	6.29 6.38	[302.9] 1.6336 1.6386 1.6456	1185.8	6.19 6.29	[303.9] 1.6324 1.6368 1.6438	1185.6	6.10 6.20	[304.8] 1.6313 1.6350 1.6420	1185.3
310 320 330 340	6.38 6.48 6.58 6.68	[302.0] 1.6348 1.6405 1.6474 1.6542 1.6608	1186.1 1191.4 1196.7 1202.0	6.29 6.38 6.48 6.58	[302.9] 1.6336 1.6386 1.6456 1.6524 1.6590	1185.8 1191.2 1196.5 1201.8	6.19 6.29 6.39 6.48	[303.9] 1.6324 1.6368 1.6438 1.6506 1.6572 1.6638	1185.6 1191.0 1196.3 1201.6	6.10 6.20 6.30 6.39	[304.8] 1.6313 1.6350 1.6420 1.6488 1.6554	1185.3 1190.7 1196.1 1201.4
310 320 330 340 350 360	6.38 6.48 6.58 6.68 6.78 6.87	[302.0] 1.6348 1.6405 1.6474 1.6542 1.6608 1.6673 1.6737	1186.1 1191.4 1196.7 1202.0	6.29 6.38 6.48 6.58 6.68 6.77	[302.9] 1.6336 1.6386 1.6456 1.6524 1.6590 1.6655 1.6719	1185.8 1191.2 1196.5 1201.8	6.19 6.29 6.39 6.48 6.58 6.67	[303.9] 1.6324 1.6368 1.6438 1.6506 1.6572 1.6638 1.6702	1185.6 1191.0 1196.3 1201.6	6.10 6.20 6.30 6.39 6.48 6.58	[304.8] 1.6313 1.6350 1.6420 1.6488 1.6554 1.6620 1.6684	1185.3 1190.7 1196.1 1201.4 1206.6 1211.8
310 320 330 340 350 360 370	6.38 6.48 6.58 6.68 6.78 6.87 6.97	[302.0] 1.6348 1.6405 1.6474 1.6542 1.6608 1.6673 1.6737 1.6799	1186.1 1191.4 1196.7 1202.0 1207.2 1212.4 1217.6	6.29 6.38 6.48 6.58 6.68 6.77 6.87	[302.9] 1.6336 1.6386 1.6456 1.6524 1.6590 1.6655 1.6719 1.6781	1185.8 1191.2 1196.5 1201.8 1207.0 1212.2 1217.4	6.19 6.29 6.39 6.48 6.58 6.67 6.77	[303.9] 1.6324 1.6368 1.6438 1.6506 1.6572 1.6638 1.6702 1.6764	1185.6 1191.0 1196.3 1201.6 1206.8 1212.0 1217.2	6.10 6.20 6.30 6.39 6.48 6.58 6.67	[304.8] 1.6313 1.6350 1.6420 1.6488 1.6554 1.6620 1.6684 1.6747	1185.3 1190.7 1196.1 1201.4 1206.6 1211.8 1217.0
310 320 330 340 350 360	6.38 6.48 6.58 6.68 6.78 6.87	[302.0] 1.6348 1.6405 1.6474 1.6542 1.6608 1.6673 1.6737	1186.1 1191.4 1196.7 1202.0	6.29 6.38 6.48 6.58 6.68 6.77	[302.9] 1.6336 1.6386 1.6456 1.6524 1.6590 1.6655 1.6719	1185.8 1191.2 1196.5 1201.8	6.19 6.29 6.39 6.48 6.58 6.67	[303.9] 1.6324 1.6368 1.6438 1.6506 1.6572 1.6638 1.6702	1185.6 1191.0 1196.3 1201.6	6.10 6.20 6.30 6.39 6.48 6.58	[304.8] 1.6313 1.6350 1.6420 1.6488 1.6554 1.6620 1.6684	1185.3 1190.7 1196.1 1201.4 1206.6 1211.8
310 320 330 340 350 360 370 380	6.38 6.48 6.58 6.68 6.78 6.87 6.97 7.07	[302.0] 1.6348 1.6405 1.6474 1.6542 1.6608 1.6673 1.6737 1.6799 1.6861 1.6921	1186.1 1191.4 1196.7 1202.0 1207.2 1212.4 1217.6 1222.7 1227.8	6.29 6.38 6.48 6.58 6.68 6.77 6.87 6.96 7.06	[302.9] 1.6336 1.6386 1.6456 1.6524 1.6590 1.6655 1.6719 1.6781 1.6843 1.6904	1185.8 1191.2 1196.5 1201.8 1207.0 1212.2 1217.4 1222.6 1227.7	6.19 6.29 6.39 6.48 6.58 6.67 6.77 6.86 6.96	[303-9] 1.6324 1.6368 1.6438 1.6506 1.6572 1.6638 1.6702 1.6764 1.6826 1.6887	1185.6 1191.0 1196.3 1201.6 1206.8 1212.0 1217.2 1222.4 1227.5	6.10 6.20 6.30 6.39 6.48 6.58 6.67 6.76 6.86	[304.8] 1.6313 1.6350 1.6420 1.6488 1.6554 1.6620 1.6684 1.6747 1.6809 1.6870	1185.3 1190.7 1196.1 1201.4 1206.6 1211.8 1217.0 1222.2 1227.3
310 320 330 340 350 360 370 380 390	6.38 6.48 6.58 6.68 6.87 6.97 7.07 7.17	[302.0] 1.6348 1.6405 1.6474 1.6542 1.6608 1.6673 1.6737 1.6799 1.6861	1186.1 1191.4 1196.7 1202.0 1207.2 1212.4 1217.6 1222.7 1227.8	6.29 6.38 6.48 6.58 6.68 6.77 6.87 6.96 7.06	[302.9] 1.6336 1.6386 1.6456 1.6524 1.6590 1.6655 1.6719 1.6781 1.6843 1.6904	1185.8 1191.2 1196.5 1201.8 1207.0 1212.2 1217.4 1222.6 1227.7	6.19 6.29 6.39 6.48 6.58 6.67 6.77 6.86 6.96	[303.9] 1.63.24 1.63.68 1.64.38 1.65.06 1.65.72 1.663.8 1.67.02 1.67.64 1.68.26 1.68.87	1185.6 1191.0 1196.3 1201.6 1206.8 1212.0 1217.2 1222.4 1227.5	6.10 6.20 6.30 6.39 6.48 6.58 6.67 6.76 6.86	[304.8] 1.6313 1.6350 1.6420 1.6488 1.6554 1.6620 1.6684 1.6747 1.6809 1.6870	1185.3 1190.7 1196.1 1201.4 1206.6 1211.8 1217.0 1222.2 1227.3
310 320 330 340 350 360 370 380 390	6.38 6.48 6.58 6.68 6.87 6.97 7.07 7.17	[302.0] 1.6348 1.6405 1.6474 1.6542 1.6668 1.6673 1.6737 1.6799 1.6861 1.6921 1.6981	1186.1 1191.4 1196.7 1202.0 1207.2 1212.4 1217.6 1222.7 1227.8	6.29 6.38 6.48 6.58 6.68 6.77 6.96 7.06	[302.9] 1.6336 1.6386 1.6456 1.6524 1.6590 1.6655 1.6719 1.6781 1.6843 1.6904	1185.8 1191.2 1196.5 1201.8 1207.0 1212.2 1217.4 1222.6 1227.7	6.19 6.29 6.39 6.48 6.58 6.67 6.77 6.86 6.96	[393.9] 1.6324 1.6368 1.6438 1.6556 1.6572 1.6638 1.6702 1.6764 1.6826 1.6887 1.6946 1.7005	1185.6 1191.0 1196.3 1201.6 1206.8 1212.0 1217.2 1222.4 1227.5	6.10 6.20 6.30 6.39 6.48 6.58 6.67 6.76 6.86	[304.8] 1.6313 1.6350 1.6420 1.6488 1.6554 1.6684 1.6747 1.6809 1.6870 1.6929 1.6988	1185.3 1190.7 1196.1 1201.4 1206.6 1211.8 1217.0 1222.2 1227.3
310 320 330 340 350 360 370 380 390 400	6.38 6.48 6.58 6.68 6.87 6.97 7.07 7.17	[302.0] 1.6348 1.6405 1.6474 1.6542 1.6668 1.6673 1.6737 1.6799 1.6861 1.6921 1.6981	1186.1 1191.4 1196.7 1202.0 1207.2 1212.4 1217.6 1222.7 1227.8 1232.9 1238.0	6.29 6.38 6.48 6.58 6.68 6.77 6.87 6.96 7.06	[302.9] 1.6336 1.6386 1.6456 1.6524 1.6590 1.6655 1.6719 1.6781 1.6843 1.6904 1.6964 1.7023	1185.8 1191.2 1196.5 1201.8 1207.0 1212.2 1217.4 1222.6 1227.7 1232.8 1237.8	6.19 6.29 6.39 6.48 6.58 6.67 6.77 6.86 6.96	[393.9] 1.6324 1.6368 1.6438 1.6556 1.6572 1.6638 1.6702 1.6764 1.6826 1.6887 1.6946 1.7005	1185.6 1191.0 1196.3 1201.6 1206.8 1212.0 1217.2 1222.4 1227.5	6.10 6.20 6.30 6.39 6.48 6.57 6.76 6.76 6.86	[304.8] 1.6313 1.6350 1.6420 1.6488 1.6554 1.6684 1.6747 1.6809 1.6870 1.6929 1.6988	1185.3 1190.7 1196.1 1201.4 1206.6 1211.8 1217.0 1222.2 1227.3
310 320 330 340 350 360 370 380 390 410 420	6.38 6.48 6.58 6.68 6.78 6.87 6.97 7.07 7.17 7.26 7.35 7.44	[302.0] 1.6348 1.6405 1.6474 1.6542 1.6668 1.6673 1.6737 1.6799 1.6861 1.6921 1.6981 1.7040 1.7097	1186.1 1191.4 1196.7 1202.0 1207.2 1212.4 1217.6 1222.7 1227.8 1232.9 1238.0 1243.0	6.29 6.38 6.48 6.58 6.68 6.77 6.87 6.96 7.06	[302.9] 1.6336 1.6386 1.6456 1.65524 1.6590 1.6655 1.6719 1.6781 1.6843 1.6904 1.7023 1.7080	1185.8 1191.2 1196.5 1201.8 1207.0 1212.2 1217.4 1222.6 1227.7 1232.8 1237.8 1242.9	6.19 6.29 6.39 6.48 6.58 6.67 6.77 6.86 6.96 7.05 7.14 7.23	[393.9] 1.6324 1.6368 1.6438 1.6556 1.6572 1.6638 1.6702 1.6764 1.6826 1.6887 1.6946 1.7005 1.7005	1185.6 1191.0 1196.3 1201.6 1212.0 1217.2 1222.4 1227.5 1232.6 1237.7 1242.7	6.10 6.20 6.30 6.39 6.48 6.58 6.67 6.76 6.86	[304.8] 1.6313 1.6350 1.6420 1.6488 1.6554 1.6620 1.6684 1.6747 1.6809 1.6870 1.6929 1.6988 1.7046	1185.3 1190.7 1196.1 1201.4 1206.6 1211.8 1217.0 1222.2 1227.3 1232.4 1237.5 1242.6
310 320 330 340 350 360 370 380 390 400 410 420 430	6.38 6.48 6.58 6.68 6.78 6.87 7.07 7.17 7.26 7.35 7.44 7.54	[302.0] 1.6348 1.6405 1.6474 1.6542 1.6608 1.6673 1.6737 1.6798 1.6861 1.6921 1.6981 1.7040 1.7097 1.7154	1186.1 1191.4 1196.7 1202.0 1207.2 1212.4 1217.6 1222.7 1227.8 1232.9 1238.0 1243.0	6.29 6.38 6.48 6.58 6.68 6.77 6.87 6.96 7.06 7.15 7.24 7.33 7.43	[302.9] 1.6336 1.6536 1.6554 1.6559 1.6719 1.6781 1.6843 1.6904 1.6964 1.7023 1.7080 1.7137	1185.8 1191.2 1196.5 1201.8 1207.0 1212.2 1217.4 1222.6 1227.7	6.19 6.29 6.39 6.48 6.58 6.67 6.77 6.86 6.96 7.05 7.14 7.23 7.32	[303.9] 1.6324 1.6368 1.6438 1.6506 1.6572 1.66638 1.6702 1.6764 1.6887 1.6946 1.7005 1.7005 1.7005	1185.6 1191.0 1196.3 1201.6 1206.8 1217.2 1227.4 1227.5 1232.6 1237.7 1242.7 1247.7	6.10 6.20 6.30 6.39 6.48 6.58 6.67 6.76 6.86	[304.8] 1.6313 1.6350 1.6420 1.6420 1.6428 1.6554 1.6554 1.6620 1.6684 1.6747 1.6809 1.6870 1.6929 1.6988 1.7046 1.7103	1185.3 1190.7 1196.1 1201.4 1206.6 1211.8 1217.0 1222.2 1227.3 1232.4 1237.5 1242.6 1247.6
310 320 330 340 350 360 370 380 390 410 420 430 440 450 460	6.38 6.48 6.58 6.68 6.78 6.87 7.07 7.17 7.26 7.35 7.44 7.54 7.63	[302.0] 1.6348 1.6405 1.6474 1.65642 1.6668 1.6673 1.6737 1.6799 1.6861 1.6921 1.7040 1.7097 1.7154 1.7210 1.7265 1.7319	1186.1 1191.4 1196.7 1202.0 1207.2 1212.4 1217.6 1222.7 1227.8 1232.9 1243.0 1243.0 1253.0	6.29 6.38 6.48 6.58 6.68 6.7 6.87 6.96 7.06 7.15 7.24 7.33 7.43 7.52 7.61 7.70	[302.9] 1.6336 1.6356 1.6554 1.65590 1.6655 1.6719 1.6781 1.6843 1.6904 1.7023 1.7080 1.7137 1.7193 1.7248 1.7302	1185.8 1191.2 1196.5 1201.8 1207.0 1212.2 1227.7 1232.8 1237.8 1242.9 1247.9 1252.9	6.19 6.39 6.39 6.48 6.58 6.67 6.86 6.96 7.05 7.14 7.23 7.32 7.41	[393.9] 1.6324 1.6368 1.6438 1.6596 1.6572 1.6638 1.6702 1.6764 1.6826 1.6887 1.7005 1.7005 1.7120 1.7176	1185.6 1191.0 1196.3 1201.6 1206.8 1212.2 1222.4 1227.5 1232.6 1237.7 1242.7 1247.7 1252.8 1257.8 1262.8	6.10 6.20 6.39 6.48 6.57 6.76 6.86 6.95 7.04 7.13 7.22 7.31	[304.8] 1.6313 1.6350 1.6420 1.6488 1.6554 1.6684 1.6747 1.6809 1.6988 1.7046 1.7103 1.7159	1185.3 1190.7 1196.1 1201.4 1206.6 1211.8 1217.8 1222.2 1227.3 1232.4 1237.5 1242.6 1252.6
310 320 330 340 350 350 370 380 390 400 410 420 440 440 450 460 470	6.38 6.48 6.58 6.68 6.87 6.97 7.07 7.17 7.26 7.35 7.44 7.53 7.72 7.81 7.90	[302.0] 1.6348 1.6405 1.6474 1.6542 1.6608 1.6673 1.6737 1.6799 1.6861 1.7097 1.7154 1.7210 1.7265 1.7319 1.7373	1186.1 1191.4 1196.7 1202.0 1207.2 1212.4 1217.6 1222.7 1227.8 1232.9 1243.0 1248.0 1253.0 1258.0 1268.0	6.29 6.38 6.48 6.58 6.68 6.77 6.96 7.06 7.15 7.24 7.33 7.52 7.61 7.70 7.79	[302.9] 1.6336 1.6386 1.6456 1.6524 1.6590 1.6655 1.6719 1.6781 1.6843 1.6904 1.7023 1.7080 1.7137 1.7193	1185.8 1191.2 1196.5 1201.8 1207.0 1212.2 1217.4 1222.6 1227.7 1232.8 1242.9 1247.9 1252.9 1252.9	6.19 6.39 6.39 6.48 6.67 6.76 6.86 6.96 7.05 7.14 7.23 7.32 7.41 7.50 7.68	[393.9] 1.6324 1.6368 1.6438 1.6506 1.6572 1.66638 1.6702 1.6764 1.6826 1.7005 1.7003 1.7120 1.7176 1.7231 1.7236 1.7339	1185.6 1191.0 1196.3 1201.6 1206.8 1212.0 1217.2 1222.4 1227.5 1232.6 1237.7 1242.7 1242.7 1252.8 1257.8 1262.8 1267.7	6.10 6.20 6.30 6.39 6.48 6.58 6.67 6.76 6.86 6.95 7.04 7.13 7.22 7.31 7.39 7.48 7.57	[304.8] 1.6313 1.6350 1.6488 1.6554 1.6620 1.6684 1.6747 1.6809 1.6870 1.6929 1.6988 1.7046 1.7103 1.7159 1.7214 1.7269 1.7323	1185.3 1190.7 1196.1 1201.4 1206.6 1211.8 1217.0 1222.2 1227.3 1232.4 1237.5 1247.6 1252.6 1252.6
310 320 330 340 350 360 370 380 390 400 410 420 430 440 440 450 460 470 480	6.38 6.48 6.58 6.68 6.78 6.97 7.07 7.17 7.26 7.35 7.44 7.54 7.63 7.72 7.81 7.90	[302.0] 1.6348 1.6405 1.6474 1.6542 1.6608 1.6673 1.6737 1.6799 1.6861 1.6921 1.6981 1.7040 1.7057 1.7154 1.7216 1.7373 1.7373	1186.1 1191.4 1196.7 1202.0 1207.2 1212.4 1217.6 1222.7 1222.7 1232.9 1238.0 1248.0 1253.0 1253.0 1268.0 1272.9	6.29 6.38 6.48 6.58 6.67 6.96 7.06 7.15 7.24 7.33 7.43 7.52 7.61 7.79 7.88	[302.9] 1.6336 1.6386 1.6456 1.6524 1.6590 1.6655 1.6719 1.6781 1.6843 1.7023 1.7080 1.7193 1.7193 1.7248 1.7356 1.7356	1185.8 1191.2 1196.5 1201.8 1227.0 1212.2 1217.4 1222.6 1227.7 1232.8 1242.9 1242.9 1252.9 1252.9 1262.8 1262.8 1262.8	6.19 6.29 6.39 6.48 6.58 6.67 6.86 6.96 7.05 7.14 7.23 7.32 7.41 7.50 7.58 7.77	[393.9] 1.6324 1.6368 1.6506 1.6572 1.6638 1.6702 1.6764 1.6826 1.7005 1.7176 1.7231 1.7231 1.7231 1.7231 1.7231 1.7339 1.7392	1185.6 1191.0 1196.3 1201.6 1212.0 1217.2 1222.4 1227.5 1232.6 1237.7 1242.7 1242.7 1252.8 1252.8 1267.7	6.10 6.20 6.30 6.39 6.48 6.58 6.67 6.76 6.86 6.95 7.04 7.13 7.22 7.31 7.39 7.49 7.57 7.66	[304.8] 1.6313 1.6350 1.6420 1.6488 1.6554 1.6684 1.6747 1.6809 1.6988 1.7046 1.7159 1.7159 1.7214 1.7223 1.7376	1185.3 1190.7 1196.1 1201.4 1220.6 1211.8 1217.0 1222.2 1227.3 1232.4 1237.5 1247.6 1252.6 1252.6 1257.6 1262.6 1267.6 1272.6
310 320 330 340 350 350 370 380 390 400 410 420 440 440 450 460 470	6.38 6.48 6.58 6.68 6.87 6.97 7.07 7.17 7.26 7.35 7.44 7.53 7.72 7.81 7.90	[302.0] 1.6348 1.6405 1.6474 1.6542 1.6608 1.6673 1.6737 1.6799 1.6861 1.7097 1.7154 1.7210 1.7265 1.7319 1.7373	1186.1 1191.4 1196.7 1202.0 1207.2 1212.4 1217.6 1222.7 1227.8 1232.9 1243.0 1248.0 1253.0 1258.0 1268.0	6.29 6.38 6.48 6.58 6.68 6.77 6.96 7.06 7.15 7.24 7.33 7.52 7.61 7.70 7.79	[302.9] 1.6336 1.6386 1.6456 1.6524 1.6590 1.6655 1.6719 1.6781 1.6843 1.6904 1.7023 1.7080 1.7137 1.7193	1185.8 1191.2 1196.5 1201.8 1207.0 1212.2 1217.4 1222.6 1227.7 1232.8 1242.9 1247.9 1252.9 1252.9	6.19 6.39 6.39 6.48 6.67 6.76 6.86 6.96 7.05 7.14 7.23 7.32 7.41 7.50 7.68	[393.9] 1.6324 1.6368 1.6438 1.6506 1.6572 1.66638 1.6702 1.6764 1.6826 1.7005 1.7003 1.7120 1.7176 1.7231 1.7236 1.7339	1185.6 1191.0 1196.3 1201.6 1206.8 1212.0 1217.2 1222.4 1227.5 1232.6 1237.7 1242.7 1242.7 1252.8 1257.8 1262.8 1267.7	6.10 6.20 6.30 6.39 6.48 6.58 6.67 6.76 6.86 6.95 7.04 7.13 7.22 7.31 7.39 7.48 7.57	[304.8] 1.6313 1.6350 1.6488 1.6554 1.6620 1.6684 1.6747 1.6809 1.6870 1.6929 1.6988 1.7046 1.7103 1.7159 1.7214 1.7269 1.7323	1185.3 1190.7 1196.1 1201.4 1206.6 1211.8 1217.0 1222.2 1227.3 1232.4 1237.5 1247.6 1252.6 1252.6
310 320 330 340 350 380 380 390 400 410 420 430 440 450 460 470 480 490 500	6.38 6.48 6.58 6.68 6.78 6.87 7.07 7.17 7.26 7.35 7.44 7.54 7.63 7.72 7.81 7.90 8.00 8.09	[302.0] 1.6348 1.6405 1.6474 1.6542 1.6608 1.6673 1.6739 1.6861 1.6921 1.7040 1.7097 1.7154 1.7210 1.7265 1.7373 1.7426 1.7478	1186.1 1191.4 1196.7 1202.0 1207.2 1212.4 1217.6 1222.7 1222.7 1232.9 1238.0 1248.0 1253.0 1253.0 1268.0 1272.9	6.29 6.38 6.48 6.58 6.68 6.77 6.87 6.96 7.06 7.15 7.24 7.33 7.43 7.52 7.70 7.79 7.88 7.97 8.06	[302.9] 1.6336 1.6386 1.6554 1.6590 1.6655 1.6719 1.6781 1.6843 1.6904 1.7023 1.7080 1.7137 1.7193 1.7248 1.7302 1.7356 1.7409 1.7461 1.7513	1185.8 1191.2 1196.5 1201.8 1227.0 1212.2 1217.4 1222.6 1227.7 1232.8 1242.9 1242.9 1252.9 1252.9 1262.8 1262.8 1262.8	6.19 6.29 6.39 6.48 6.58 6.67 6.86 6.96 7.05 7.14 7.23 7.32 7.41 7.50 7.58 7.77	[393.9] 1.6324 1.6368 1.6506 1.6572 1.6638 1.6702 1.6764 1.6826 1.7005 1.7176 1.7231 1.7231 1.7231 1.7231 1.7231 1.7339 1.7392	1185.6 1191.0 1196.3 1201.6 1212.0 1217.2 1222.4 1227.5 1232.6 1237.7 1242.7 1242.7 1252.8 1252.8 1267.7	6.10 6.20 6.30 6.39 6.48 6.58 6.67 6.76 6.86 6.95 7.04 7.13 7.22 7.31 7.39 7.49 7.57 7.66	[304.8] 1.6313 1.6350 1.6420 1.6488 1.6554 1.6684 1.6747 1.6809 1.6988 1.7046 1.7159 1.7159 1.7214 1.7223 1.7376	1185.3 1190.7 1196.1 1201.4 1220.6 1211.8 1217.0 1222.2 1227.3 1232.4 1237.5 1247.6 1252.6 1252.6 1257.6 1262.6 1267.6 1272.6
310 320 330 340 350 360 370 380 390 400 410 420 440 440 440 450 440 550	6.38 6.48 6.58 6.68 6.78 6.97 7.07 7.17 7.26 7.35 7.44 7.54 7.63 7.72 7.81 7.90 8.00 8.09	1.6348 1.6405 1.6474 1.6542 1.6608 1.6673 1.6737 1.6799 1.6861 1.7097 1.7154 1.7215 1.7215 1.7373 1.7426 1.7478 1.7530 1.7780	1186.1 1191.4 1196.7 1202.0 1227.2 1212.4 1217.6 1222.7 1222.7 1238.0 1248.0 1253.0 1253.0 1268.0 1272.9 1277.9	6.29 6.38 6.48 6.58 6.68 6.77 6.96 7.06 7.15 7.24 7.33 7.43 7.52 7.61 7.79 7.88 7.97	[302.9] 1.6336 1.6386 1.6456 1.6524 1.6590 1.6655 1.6719 1.6781 1.6843 1.7023 1.7080 1.7193 1.7248 1.7356 1.7409 1.7461 1.7513 1.7763	1185.8 1191.2 1196.5 1201.8 1227.0 1212.2 1217.4 1222.6 1227.7 1232.8 1247.9 1247.9 1252.9 1262.9 1262.8 1272.8 1272.8	6.19 6.29 6.39 6.48 6.58 6.67 6.86 6.96 7.05 7.14 7.23 7.32 7.41 7.50 7.59 7.86 7.95 8.39	[393.9] 1.6324 1.6368 1.6438 1.6506 1.6572 1.6638 1.6702 1.6764 1.6826 1.7005 1.7005 1.7176 1.7231 1.7238 1.7339 1.7339 1.7345 1.7447	1185.6 1191.0 1196.3 1201.6 1217.2 1222.4 1227.5 1232.6 1237.7 1247.7 1247.7 1252.8 1252.8 1267.8 1267.7 1272.7 1277.6	6.10 6.20 6.30 6.39 6.48 6.58 6.67 6.76 6.86 6.95 7.04 7.13 7.22 7.31 7.39 7.48 7.57 7.66 7.75	[304.8] 1.6313 1.6350 1.6420 1.6488 1.6554 1.6620 1.6684 1.6747 1.6809 1.6988 1.7046 1.7159 1.7214 1.7224 1.7323 1.7376 1.7429 1.7480 1.7480	1185.3 1190.7 1190.1 1201.4 1220.6 1211.8 1217.0 1222.2 1227.3 1232.4 1237.5 1247.6 1252.6 1257.6 1267.6 1277.5
310 320 330 330 330 350 370 380 370 400 410 420 430 440 440 450 460 470 480 490 500 500 600	6.38 6.48 6.58 6.68 6.87 6.97 7.07 7.17 7.26 7.35 7.44 7.54 7.63 7.72 7.81 7.90 8.09 8.18 8.63 9.08	[302.0] 1.6348 1.6405 1.6475 1.6542 1.6608 1.6673 1.6737 1.6799 1.6861 1.7040 1.7097 1.7154 1.7210 1.7265 1.7319 1.7426 1.7478 1.7530 1.7780 1.8017	1186.1 1191.4 1196.7 1202.0 1207.2 1212.4 1217.6 1222.7 1227.8 1232.9 1238.0 1243.0 1253.0 1253.0 1268.0 1272.9 1277.9	6.29 6.38 6.48 6.58 6.68 6.77 6.96 7.06 7.15 7.24 7.33 7.43 7.52 7.61 7.79 7.78 8.06 8.51 8.95	[302.9] 1.6336 1.6386 1.6456 1.6524 1.6590 1.6655 1.6719 1.6781 1.6843 1.7080 1.7137 1.7193 1.7248 1.7302 1.73763 1.7461 1.7513 1.7763	1185.8 1191.2 1196.5 1201.8 1207.0 1212.2 1217.4 1222.6 1227.7 1232.8 1237.8 1242.9 1252.9 1257.9 1262.9 1262.9 1272.8 1277.8	6.19 6.29 6.39 6.48 6.58 6.67 6.86 6.96 7.05 7.14 7.23 7.32 7.41 7.50 7.58 7.78 7.86	1.6324 1.6368 1.6438 1.6506 1.6572 1.6638 1.6702 1.6764 1.6826 1.7005 1.7063 1.7120 1.7176 1.7231 1.7231 1.7231 1.7232 1.7120 1.7231 1.7231 1.7245 1.7392 1.7445	1185.6 1191.6 1196.3 1201.6 1202.6 1217.2 1222.4 1227.5 1237.7 1242.7 1252.8 1257.8 1262.8 1262.7 1272.7 1277.6	6.10 6.20 6.30 6.39 6.48 6.58 6.67 6.76 6.86 6.95 7.04 7.13 7.22 7.31 7.39 7.48 7.57 7.66 7.75	[304.8] 1.6313 1.6350 1.6420 1.6488 1.6554 1.6684 1.6747 1.6809 1.6988 1.7046 1.7103 1.7159 1.7214 1.7226 1.7323 1.7376 1.7429	1185.3 1190.7 1196.1 1201.4 1220.6 1221.8 1217.0 1222.2 1227.3 1237.5 1242.6 1257.6 1262.6 1272.6 1277.5 1282.5 1307.2 1331.8
310 320 330 330 360 360 380 380 390 400 410 420 440 450 460 470 480 490 500 650 650	6.38 6.48 6.58 6.68 6.78 6.87 7.07 7.17 7.26 7.35 7.44 7.54 7.63 7.72 7.81 7.90 8.09 8.18 8.69 9.52	1.6348 1.6405 1.6474 1.6542 1.6668 1.6673 1.6737 1.6799 1.6861 1.7040 1.7097 1.7154 1.7210 1.7255 1.7319 1.7373 1.7426 1.7478 1.7530 1.7780 1.7780 1.8017 1.8244	1186.1 1191.4 1196.7 1202.0 1207.2 1212.4 1217.6 1222.7 1227.8 1232.9 1248.0 1248.0 1253.0 1263.0 1268.0 1277.9 1282.8 1307.4 1332.0 1356.5	6.29 6.38 6.48 6.58 6.68 6.67 6.96 7.06 7.15 7.24 7.33 7.43 7.52 7.61 7.79 7.88 6.51 8.95 9.39	[302.9] 1.6336 1.6386 1.6456 1.6524 1.6590 1.6655 1.6719 1.6781 1.6843 1.7023 1.7080 1.7137 1.7193 1.7248 1.7302 1.7356 1.7409 1.7461 1.7513 1.7763 1.7763 1.7763 1.7763 1.8001 1.8228	1185.8 1191.2 1196.5 1201.8 1207.0 1212.2 1217.4 1222.6 1227.7 1232.8 1242.9 1252.9 1262.9 1267.8 1277.8 1277.8 1277.8	6.19 6.39 6.48 6.58 6.67 6.86 6.96 7.05 7.23 7.41 7.50 7.59 7.68 7.95 8.39 9.25	[393.9] 1.6324 1.6368 1.6438 1.6506 1.6572 1.6638 1.6702 1.6764 1.6826 1.7005 1.7063 1.7120 1.7176 1.7231 1.7286 1.7339 1.7392 1.7445 1.7447 1.7747 1.7747 1.7747 1.7747	1185.6 1191.0 1196.3 1201.6 1206.8 1212.0 1217.2 1222.4 1227.5 1232.6 1237.7 1242.7 1252.8 1262.8 1262.8 1262.7 1272.7 1272.7 1272.7 1272.7 1272.7 1272.7 1273.8	6.10 6.20 6.30 6.39 6.48 6.67 6.76 6.86 6.95 7.04 7.13 7.22 7.31 7.39 7.48 7.57 7.66 7.75 7.83 8.27 9.12	1.6313 1.6350 1.6420 1.6488 1.6554 1.6684 1.6747 1.6809 1.6988 1.7046 1.7103 1.7159 1.7214 1.7269 1.7337 1.7376 1.7429 1.7480 1.7731 1.7480 1.7731 1.7969 1.7989 1.	1185.3 1190.7 1196.1 1201.4 1220.6 1211.8 1217.0 1222.2 1227.3 1237.5 1242.6 1252.6 1252.6 1262.6 1277.5 1282.5 1307.2 1331.8 1356.4
310 320 330 330 330 350 370 380 370 400 410 420 430 440 440 450 460 470 480 490 500 500 600	6.38 6.48 6.58 6.68 6.87 6.97 7.07 7.17 7.26 7.35 7.44 7.54 7.63 7.72 7.81 7.90 8.09 8.18 8.63 9.08	[302.0] 1.6348 1.6405 1.6475 1.6542 1.6608 1.6673 1.6737 1.6799 1.6861 1.7040 1.7097 1.7154 1.7210 1.7265 1.7319 1.7426 1.7478 1.7530 1.7780 1.8017	1186.1 1191.4 1196.7 1202.0 1207.2 1212.4 1217.6 1222.7 1227.8 1232.9 1238.0 1243.0 1253.0 1253.0 1268.0 1272.9 1277.9	6.29 6.38 6.48 6.58 6.68 6.77 6.96 7.06 7.15 7.24 7.33 7.43 7.52 7.61 7.79 7.78 8.06 8.51 8.95	[302.9] 1.6336 1.6386 1.6456 1.6524 1.6590 1.6655 1.6719 1.6781 1.6843 1.7080 1.7137 1.7193 1.7248 1.7302 1.73763 1.7461 1.7513 1.7763	1185.8 1191.2 1196.5 1201.8 1207.0 1212.2 1217.4 1222.6 1227.7 1232.8 1237.8 1242.9 1252.9 1257.9 1262.9 1262.9 1272.8 1277.8	6.19 6.29 6.39 6.48 6.58 6.67 6.86 6.96 7.05 7.14 7.23 7.32 7.41 7.50 7.58 7.78 7.86	1.6324 1.6368 1.6438 1.6506 1.6572 1.6638 1.6702 1.6764 1.6826 1.7005 1.7063 1.7120 1.7176 1.7231 1.7231 1.7231 1.7232 1.7120 1.7231 1.7231 1.7245 1.7392 1.7445	1185.6 1191.6 1196.3 1201.6 1202.6 1217.2 1222.4 1227.5 1237.7 1242.7 1252.8 1257.8 1262.8 1262.7 1272.7 1277.6	6.10 6.20 6.30 6.39 6.48 6.58 6.67 6.76 6.86 6.95 7.04 7.13 7.22 7.31 7.39 7.48 7.57 7.66 7.75	[304.8] 1.6313 1.6350 1.6420 1.6488 1.6554 1.6684 1.6747 1.6809 1.6988 1.7046 1.7103 1.7159 1.7214 1.7226 1.7323 1.7376 1.7429	1185.3 1190.7 1190.1 1201.4 1220.6 1221.8 1217.0 1222.2 1227.3 1237.5 1242.6 1257.6 1262.6 1272.6 1277.5 1282.5 1307.2 1331.8

Pressure	[305.8]				74 [306.7]	-		75 [307.6]					
Temp F.	▼	8	i	▼	8	i	▼		i	₩	8	i	
Set.	5-97	1.6302	1182.8	5.90	1.6291	1183.0	5.82	1.6280	1183.3	5.75	1.6269	1183.5	
310	6.02	1.6332	1185.1	5.93	1.6314	1184.8	5.85	1.6297	1184.6	5.77	1.6280	1184.3	
320	6.11 6.21	1.6402	1190.5	6.03 6.12	1.6384	1190.2	5.94 6.03	1.6367	1190.0	5.86	1.6350	1189.8	
330 340	6.30	1.6537	1195.8	6.21	1.6453	1195.6	6.13	1.6503	1200.7	5.95 6.04	1.6486	1195.2	
350	6.39	1.6603	1206.4	6.30	1.6586	1206.2	6.22	1.6569	1206.0	6.13	1.6552	1205.8	
360	6.48	1.6667	1211.6	6.39	1.6650	1211.4	6.31	1.6633	1211.3	6.22	1.6617	1211.1	
370 380	6.58 6.67	1.6730	1216.8	6.48 6.57	1.6713	1216.6	6.40 6.48	1.6697	1216.5	6.31 6.40	1.6680	1216.3	
390	6.76	1.6853	1227.2	6.66	1.6836	1227.0	6.57	1.6820	1226.8	6.48	1.6804	1221.5 1226.6	
400	6.85	1.6913	1232.3	6.75	1.6896	1232.1	6.66	1.6880	1232.0	6.57	1.6864	1231.8	
410	6.94	1.6971	1237.4	6.84	1.6955	1237.2	6.75	1.6939	1237.1	6.66	1.6923	1236.9	
420 430	7.03 7.12	1.7029	1242.4	6.93 7.02	1.7013	1242.3	6.84 6.92	1.6997	1242.1	6.74 6.83	1.6981	1242.0	
440	7.20	1.7142	1252.5	7.10	1.7126	1252.4	7.01	1.7110	1252.2	6.91	1.7094	1252.1	
450	7.29	1.7198	1257.5	7.19	1.7182	1257.4	7.09	1.7166	1257.3	7.00	1.7150	1257.1	
460	7.38	1.7253	1262.5	7.28	1.7237	1262.4	7.18	1.7221	1262.3	7.08	1.7205	1262.1	
470	7·47 7·55	1.7307	2167.5 1272.5	7.36 7.45	1.7291	1267.4	7.26 7.35	1.7275	1267.3	7.17 7.25	1.7259	1267.1	
490	7.64	1.7412	1277.4	7.53	1.7396	1277.3	7.43	1.7381	1277.2	7.33	1.7365	1277.1	
500	7.73	1.7464	1282.4	7.62	1.7448	1282.3	7.52	1.7433	1282.2	7.42	1.7417	1282.1	
550	8.15	1.7715	1307.1	8.04	1.7699	1307.0	7.93	1.7684	1306.9	7.83	1.7669	1306.8	
650	8.58 9.00	1.7953	1331.7	8.46 8.88	1.7937	1331.6 1356.3	8.35 8.76	1.7922	1331.6 1356.2	8.24 8.64	1.7907	1331.5 1356.1	
700	9.42	1.8398	1381.0	9.29	1.8383	1381.0	9.16	1.8368	1380.9	9.04	1.8353	1380.9	
750	9.83	1.8607	1405.8	9.70	1.8592	1405.8	9.57	1.8577	1405.7	9.44	₹.8562	1405.7	
		77 [309.4]			78 [310.3]			79 [311.2]			80 [312.0]		
Sat.	5.68	1.6259	1183.8	5.61	1.6248	1184.0	5.55	1.6238	1184.2	5.48	1.6227	1184.4	
320	5.78	1.6333	1189.5	5.70	1.6317	1189.3	5.63	1.6300	1189.0	5.55	1.6284	1188.8	
330	5.87	1.6402	1194.9	5.79	1.6386	1194.7	5.71	1.6369	1194.5	5.64	1.6353	1194.2	
340	5.96	1.6470	1200.3	5.88	1.6453	1200.1	5.80	1.6437	1199.9	5.73	1.6421	1199.6	
350	6.05	1.6536	1205.6	5.97	1.6519	1205.4	5.89	1.6503	1205.2	5.81	1.6487	1205.0	
360	6.14	1.6601	1210.9	6.05	1.6584	1210.7	5.97	1.6568	1210.5	5.90	1.6553	1210.3	
370 380	6.22 6.31	1.6664	1216.1	6.14 6.23	1.6648	1215.9	6.06	1.6632	1215.7	5.98	1.6616	1215.5	
390		1.0/20				TOOTT	6 75	T 6605			T 6670		
40.	6.40	1.6788	1226.5	6.31	1.6710	1221.1	6.15 6.23	1.6695 1.6756	1221.0	6.07 6.15	1.6679 1.6741		
400		1.6788	1226.5	6.31	1.6772	1226.3	6.23	1.6756	1221.0	6.07 6.15	1.6741	1226.0	
400 410	6.48 6.57					1226.3			1221.0 1226.2	6.07		1226.0	
410 420	6.48 6.57 6.65	1.6788 1.6848 1.6907 1.6965	1226.5 1231.6 1236.7 1241.8	6.31 6.40 6.48 6.57	1.6772 1.6832 1.6891 1.6950	1226.3 1231.5 1236.6 1241.7	6.23 6.31 6.40 6.48	1.6756 1.6816 1.6876 1.6934	1221.0 1226.2 1231.3 1236.4 1241.5	6.07 6.15 6.23 6.32 6.40	1.6741 1.6801 1.6861 1.6919	1226.0 1231.1 1236.3 1241.4	
410 420 430	6.48 6.57 6.65 6.74	1.6788 1.6848 1.6907 1.6965 1.7022	1226.5 1231.6 1236.7 1241.8 1246.9	6.31 6.40 6.48 6.57 6.65	1.6772 1.6832 1.6891 1.6950 1.7007	1226.3 1231.5 1236.6 1241.7 1246.8	6.23 6.31 6.40 6.48 6.56	1.6756 1.6816 1.6876 1.6934 1.6992	1221.0 1226.2 1231.3 1236.4 1241.5 1246.6	6.07 6.15 6.23 6.32 6.40 6.48	1.6741 1.6801 1.6861 1.6919 1.6977	1226.0 1231.1 1236.3 1241.4 1246.5	
410 420 430 440	6.48 6.57 6.65 6.74 6.82	1.6788 1.6848 1.6907 1.6965 1.7022 1.7079	1226.5 1231.6 1236.7 1241.8 1246.9 1252.0	6.31 6.40 6.48 6.57 6.65 6.73	1.6832 1.6891 1.6950 1.7007 1.7064	1226.3 1231.5 1236.6 1241.7 1246.8 1251.8	6.23 6.31 6.40 6.48 6.56 6.65	1.6756 1.6816 1.6876 1.6934 1.6992 1.7048	1221.0 1226.2 1231.3 1236.4 1241.5 1246.6 1251.7	6.07 6.15 6.23 6.32 6.40 6.48 6.56	1.6741 1.6801 1.6861 1.6919 1.6977 1.7033	1226.0 1231.1 1236.3 124i.4 1246.5 1251.6	
410 420 430	6.48 6.57 6.65 6.74 6.82 6.91	1.6788 1.6848 1.6907 1.6965 1.7022 1.7079	1226.5 1231.6 1236.7 1241.8 1246.9 1252.0	6.31 6.40 6.48 6.57 6.65 6.73	1.6772 1.6832 1.6891 1.6950 1.7007 1.7064	1226.3 1231.5 1236.6 1241.7 1246.8	6.23 6.31 6.40 6.48 6.56	1.6756 1.6816 1.6876 1.6934 1.6992 1.7048	1221.0 1226.2 1231.3 1236.4 1241.5 1246.6	6.07 6.15 6.23 6.32 6.40 6.48 6.56	1.6741 1.6861 1.6861 1.6919 1.6977 1.7033	1226.0 1231.1 1236.3 1241.4 1246.5 1251.6	
410 420 430 440 450 460 470	6.48 6.57 6.65 6.74 6.82	1.6788 1.6848 1.6907 1.6965 1.7022 1.7079	1226.5 1231.6 1236.7 1241.8 1246.9 1252.0	6.31 6.40 6.48 6.57 6.65 6.73	1.6832 1.6891 1.6950 1.7007 1.7064	1226.3 1231.5 1236.6 1241.7 1246.8 1251.8	6.23 6.31 6.40 6.48 6.56 6.65	1.6756 1.6816 1.6876 1.6934 1.6992 1.7048	1221.0 1226.2 1231.3 1236.4 1241.5 1246.6 1251.7	6.07 6.15 6.23 6.32 6.40 6.48 6.56 6.64 6.72 6.80	1.6741 1.6801 1.6861 1.6919 1.6977 1.7033	1226.0 1231.1 1236.3 124i.4 1246.5 1251.6	
410 420 430 440 450 460 470 480	6.48 6.57 6.65 6.74 6.82 6.91 6.99 7.07 7.16	1.6788 1.6848 1.6907 1.6965 1.7022 1.7079 1.7135 1.7190 1.7244 1.7297	1226.5 1231.6 1236.7 1241.8 1246.9 1252.0 1257.0 1262.0 1267.0 1272.0	6.31 6.40 6.48 6.57 6.65 6.73 6.82 6.90 6.98 7.06	1.6772 1.6832 1.6891 1.6950 1.7007 1.7064 1.7119 1.7174 1.7229 1.7282	1226.3 1231.5 1236.6 1241.7 1246.8 1251.8 1256.9 1261.9 1266.9 1271.9	6.23 6.31 6.40 6.48 6.56 6.65 6.73 6.81 6.89 6.97	1.6756 1.6816 1.6876 1.6934 1.6992 1.7048 1.7104 1.7159 1.7214 1.7267	1221.0 1226.2 1231.3 1236.4 1241.5 1246.6 1251.7 1256.8 1261.8 1266.8 1271.8	6.07 6.15 6.23 6.32 6.40 6.48 6.56 6.64 6.72 6.80 6.88	1.6741 1.6861 1.6861 1.6919 1.6977 1.7033 1.7089 1.7144 1.7199 1.7252	1226.0 1231.1 1236.3 1241.4 1246.5 1251.6 1256.6 1261.7 1266.7	
410 420 430 440 450 460 470 480 490	6.48 6.57 6.65 6.74 6.82 6.91 6.99	1.6788 1.6848 1.6907 1.6965 1.7022 1.7079 1.7135 1.7190 1.7244	1226.5 1231.6 1236.7 1241.8 1246.9 1252.0 1257.0 1262.0 1267.0	6.31 6.40 6.48 6.57 6.65 6.73 6.82 6.90 6.98	1.6772 1.6832 1.6891 1.6950 1.7007 1.7064 1.7119 1.7174 1.7229	1226.3 1231.5 1236.6 1241.7 1246.8 1251.8 1256.9 1261.9 1266.9	6.23 6.31 6.40 6.48 6.56 6.65 6.73 6.81 6.89	1.6756 1.6816 1.6876 1.6934 1.6992 1.7048 1.7104 1.7159 1.7214	1221.0 1226.2 1231.3 1236.4 1241.5 1246.6 1251.7 1256.8 1261.8 1266.8	6.07 6.15 6.23 6.32 6.40 6.48 6.56 6.64 6.72 6.80	1.6741 1.6861 1.6861 1.6919 1.6977 1.7033 1.7089 1.7144 1.7199	1226.0 1231.1 1236.3 124i.4 1246.5 1251.6 1256.6 1261.7 1266.7	
410 420 430 440 450 460 470 480 490 500	6.48 6.57 6.65 6.74 6.82 6.91 6.99 7.07 7.16 7.24	1.6788 1.6848 1.6907 1.6965 1.7022 1.7079 1.7135 1.7190 1.7244 1.7297 1.7350	1226.5 1231.6 1236.7 1241.8 1246.9 1252.0 1257.0 1267.0 1272.0 1277.0	6.31 6.40 6.48 6.57 6.65 6.73 6.82 6.90 6.98 7.06 7.14	1.6772 1.6832 1.6891 1.6950 1.7007 1.7064 1.7119 1.7174 1.7229 1.7282 1.7335 1.7387	1231.5 1231.5 1236.6 1241.7 1246.8 1251.8 1256.9 1266.9 1271.9 1276.9	6.23 6.31 6.40 6.48 6.56 6.65 6.73 6.81 6.89 6.97	1.6756 1.6816 1.6876 1.6934 1.6992 1.7048 1.7104 1.7159 1.7214 1.7267 1.7320 1.7372	1221.0 1226.2 1231.3 1236.4 1241.5 1246.6 1251.7 1256.8 1266.8 1271.8 1276.8	6.07 6.15 6.23 6.32 6.40 6.48 6.56 6.64 6.72 6.80 6.88	1.6741 1.6801 1.6861 1.6919 1.7033 1.7089 1.7144 1.7199 1.7252 1.7357	1226.0 1231.1 1236.3 124i.4 1246.5 1251.6 1256.6 1261.7 1266.7 1276.7	
410 420 430 440 450 460 470 480 490 500 550	6.48 6.57 6.65 6.74 6.82 6.91 7.07 7.16 7.24 7.32 7.73	1.6788 1.6848 1.6907 1.6965 1.7022 1.7079 1.7135 1.7190 1.7244 1.7297 1.7350 1.7402 1.7653	1226.5 1231.6 1236.7 1241.8 1246.9 1252.0 1257.0 1267.0 1277.0 1282.0 1306.8	6.31 6.40 6.48 6.57 6.65 6.73 6.82 6.90 6.98 7.06 7.14 7.22 7.63	1.6872 1.6832 1.6891 1.6950 1.7007 1.7064 1.7119 1.7174 1.7229 1.7282 1.7335 1.7387 1.7638	1231.5 1231.5 1241.7 1246.8 1251.8 1256.9 1266.9 1271.9 1276.9 1281.9 1306.7	6.23 6.31 6.40 6.48 6.56 6.65 6.73 6.81 6.89 6.97 7.05	1.6756 1.6816 1.6876 1.6934 1.6992 1.7048 1.7104 1.7159 1.7214 1.7267 1.7320 1.7372 1.7372	1221.0 1226.2 1231.3 1236.4 1241.5 1246.6 1251.7 1256.8 1266.8 1271.8 1276.8 1281.8 1306.6	6.23 6.40 6.48 6.56 6.64 6.72 6.80 6.88 6.96	1.6741 1.6801 1.6919 1.6977 1.7033 1.7089 1.7144 1.7199 1.7252 1.7305	1226.0 1231.1 1236.3 124i.4 1246.5 1251.6 1266.7 1266.7 1271.7 1271.7 1281.7 1306.5	
410 420 430 440 450 460 470 480 490 550 600	6.48 6.57 6.65 6.74 6.82 6.91 7.07 7.16 7.24 7.32 7.73 8.13	1.6788 1.6848 1.6907 1.6965 1.7022 1.7079 1.7135 1.7190 1.7244 1.7297 1.7350 1.7402 1.7653 1.7892	1226.5 1231.6 1236.7 1241.8 1246.9 1252.0 1257.0 1267.0 1277.0 1277.0 1282.0 1306.8 1331.4	6.31 6.40 6.48 6.57 6.65 6.73 6.82 6.90 6.98 7.06 7.14 7.22 7.63 8.02	1.6832 1.6891 1.6950 1.7007 1.7064 1.7119 1.7129 1.7282 1.7335 1.7387 1.7638 1.7877	1231.5 1231.5 1236.6 1241.7 1246.8 1251.8 1256.9 1266.9 1271.9 1276.9 1281.9 1306.7	6.23 6.31 6.40 6.48 6.56 6.65 6.73 6.81 6.89 6.97 7.05 7.13 7.53 7.92	1.6756 1.6816 1.6876 1.6934 1.6992 1.7048 1.7104 1.71267 1.7320 1.7372 1.7372 1.7534 1.7863	1221.0 1226.2 1231.3 1236.4 1241.5 1241.5 1251.7 1256.8 1261.8 1266.8 1271.8 1276.8 1276.8	6.23 6.32 6.40 6.48 6.56 6.64 6.72 6.80 6.88 6.96 7.04 7.43 7.82	1.6741 1.6801 1.6861 1.6919 1.6977 1.7033 1.7089 1.7144 1.7199 1.7252 1.7305	1236.3 124i.4 1246.5 1251.6 1256.6 1261.7 1266.7 1271.7 1276.7 1281.7 1306.5 1331.2	
410 420 430 440 450 460 470 480 490 500 550	6.48 6.57 6.65 6.74 6.82 6.91 7.07 7.16 7.24 7.32 7.73	1.6788 1.6848 1.6907 1.6965 1.7022 1.7079 1.7135 1.7190 1.7244 1.7297 1.7350 1.7402 1.7653	1226.5 1231.6 1236.7 1241.8 1246.9 1252.0 1257.0 1267.0 1277.0 1282.0 1306.8	6.31 6.40 6.48 6.57 6.65 6.73 6.82 6.90 6.98 7.06 7.14 7.22 7.63	1.6872 1.6832 1.6891 1.6950 1.7007 1.7064 1.7119 1.7174 1.7229 1.7282 1.7335 1.7387 1.7638	1231.5 1231.5 1241.7 1246.8 1251.8 1256.9 1266.9 1271.9 1276.9 1281.9 1306.7	6.23 6.31 6.40 6.48 6.56 6.65 6.73 6.81 6.89 6.97 7.05	1.6756 1.6816 1.6876 1.6934 1.6992 1.7048 1.7104 1.7159 1.7214 1.7267 1.7320 1.7372 1.7372	1221.0 1226.2 1231.3 1236.4 1241.5 1246.6 1251.7 1256.8 1266.8 1271.8 1276.8 1281.8 1306.6	6.23 6.40 6.48 6.56 6.64 6.72 6.80 6.88 6.96	1.6741 1.6801 1.6919 1.6977 1.7033 1.7089 1.7144 1.7199 1.7252 1.7305	1226.0 1231.1 1236.3 124i.4 1246.5 1251.6 1266.7 1266.7 1271.7 1271.7 1281.7 1306.5	
410 420 430 440 450 460 470 480 490 500 550 600 650	6.48 6.57 6.65 6.74 6.82 6.91 6.99 7.07 7.16 7.24 7.32 7.73 8.13 8.53	1.6788 1.6848 1.6907 1.6965 1.7022 1.7079 1.7135 1.7190 1.7244 1.7297 1.7350 1.7402 1.7653 1.7892 1.8120	1226.5 1231.6 1236.7 1241.8 1246.9 1252.0 1262.0 1267.0 1277.0 1282.0 1331.4 1331.4 1336.1	6.31 6.40 6.48 6.57 6.65 6.73 6.82 6.90 6.98 7.06 7.14 7.22 7.63 8.02 8.42	1.6872 1.6832 1.6891 1.6950 1.7007 1.7064 1.7119 1.7174 1.7229 1.7335 1.73387 1.7638 1.7877 1.8105	1231.5 1231.5 1236.6 1241.7 1246.8 1251.8 1256.9 1266.9 1276.9 1276.9 1286.9 1276.9	6.23 6.31 6.40 6.48 6.56 6.65 6.67 7.05 7.13 7.53 7.53 7.53 8.31	1.6756 1.6816 1.6876 1.6934 1.6992 1.7048 1.7104 1.7214 1.7221 1.7320 1.7372 1.7624 1.7863 1.8991	1221.0 1226.2 1231.3 1236.4 1241.5 1246.6 1251.7 1256.8 1261.8 1271.8 1271.8 1276.8 1271.8 1331.3 1336.0	6.23 6.23 6.40 6.48 6.56 6.64 6.72 6.88 6.96 7.04 7.43 7.82 8.21	1.6741 1.6861 1.6919 1.6977 1.7033 1.7089 1.7144 1.7199 1.7252 1.7305 1.7369 1.7848 1.7848 1.8076	1226.0 1231.1 1236.3 1241.4 1246.5 1251.6 1261.7 1276.7 1276.7 1281.7 1306.5 1331.2 1355.9	

sure	81 [312.9]				82 [313.7]			83 [314.6]		84 [315-4]		
Temp F.	•		i	▼		i	▼		i	٧		i
Sat.	5.42	1.6217	1184.7	5-35	1.6207	1184.9	5.29	1.6197	1185.1	5-23	1.6187	1185.3
320	5.48	1.6268	1188.6	5.41	1.6252	1188.3	5-34	1.6236	1188.1	5.27	1.6220	1187.8
330	5.57	1.6337	1194.0	5.49	1.6321	1193.8	5.42	1.6305	1193.6	5.36	1.6290	1193.3
340	5.65	1.6405	1199.4	5.58	1.6389	1199.2	5.51	1.6374	1199.0	5.44	1.6358	1198.8
350	5-74	1.6472	1 204.8	5.66	1.6456	1204.6	5.59	1.6441	1 204.4	5.52	1.6425	1 204.2
360	5.82	1.6537	1210.1	5.75	1.6521	1209.9	5.68	1.6506	1209.7	5.60	1.6491	1 209.5
370	5.91	1.6601	1215.4	5.83	1.6585	1215.2	5.76	1.6570	1215.0	5.69	1.6555	1214.8
380	5.99	1.6664	1220.6	5.91	1.6648	1220.4	5.84	1.6633	1220.2	5.77	1.6618	1220.1
390	6.07	1.6725	1225.8	5.99	1.6710	1225.6	5.92	1.6695	1225.5	5.85	1.6680	1225.3
400	6.15	1.6786	1231.0	6.07	1.6771	1230.8	6.00	1.6756	1230.7	5.93	1.6741	1 230.5
410	6.23	1.6845	1236.1	6.16	1.6830	1236.0	6.08	1.6815	1235.8	6.01 6.08	1.6860	1235.7
420	6.32	1.6962	1241.3	6.24 6.32	1.6889	1241.1	6.24	1.6874	1241.0	6.16	1.6918	1240.8 1245.9
430 440	6.48	1.7018	1251.4	6.40	1.7003	1251.3	6.32	1.6989	1251.2	6.24	1.6974	1251.0
450	6.56	1.7074	1256.5	6.48	1.7059	1256.4	6.40	1.7045	1256.2	6.32	1.7031	1256.1
460	6.64	1.7129	1261.5	6.55	1.7114	1261.4	6.47	1.7100	1261.3	6.39	1.7086	1261.2
470	6.72	1.7184	1266.6	6.63	1.7169	1266.5	6.55	1.7155	1266.3	6.47	1.7141	1266.2
480	6.80	1.7237	1271.6	6.71	1.7223	1271.5	6.63	1.7209	1271.4	6.55	1.7194	1
490	6.87	1.7290	1276.6	6.79	1.7276	1276.5	6.70	1.7262	1276.4	6.62	1.7247	1276.3
500	6.95	1.7343	1281.6	6.87	1.7328	1281.5	6.78	1.7314	1281.4	6.70	1.7300	1281.3
550	7.34	1.7595	1306.4	7.25	1.7581	1306.4	7.16	1.7567	1306.3	7.08	1.7553	1306.2
600	7.72	1.7834	1331.2	7.63	1.7820	1331.1	7.54	1.7806	1331.0	7.45	1.7792	1330.9
650	8.10	1.8062	1355.9	8.01	1.8048	1355.8	7.91	1.8034	1355.8	7.81	1.8020	1355.7
700	8.48	1.8280	1380.6	8.38	1.8266	1380.6	8.28	1.8253	1380.5	8.18	1.8239	1380.5
750	8.86	1.8490	1405.5	8.75	1.8476	1405.5	8.64	1.8463	1405.4	8.54	1.8449	1405.4
800	9.23	1.8693	1430.5	9.12	1.8679	1430.5	9.01	1.8666	1430.4	8.90	1.8652	1430.4
		85		1	86			87			88	
		[316.3]						[317.9]			[318.7]	
Sat.	5.18		1185.5	5.12	[317.1]	1185.7	5.06	[317.9]	1185.9	5.01		1186.1
		[316.3]		-	[317.1]			1.6159		_	[318.7]	
320	5.21	[316.3] 1.6178 1.6204	1187.6	5.14	[317.1] 1.6168 1.6189	1187.4	5.08	1.6159	1187.1	5.02	[318.7] 1.6149 1.6159	1186.9
320 330		[316.3]		-	[317.1]			1.6159		_	[318.7]	1186.9 1192.4
320 330 340	5.21 5.29 5.37	[316.3] 1.6178 1.6204 1.6274	1187.6 1193.1 1198.5	5.14 5.23 5.31	[317.1] 1.6168 1.6189 1.6259 1.6328	1187.4 1192.9 1198.3	5.08 5.16 5.24	1.6159 1.6174 1.6244	1187.1 1192,6 1198.1	5.02 5.10	[318.7] 1.6149 1.6159 1.6229	1186.9 1192.4 1197.9
320 330 340 350	5.21 5.29	[316.3] 1.6178 1.6204 1.6274 1.6343	1187.6	5.14 5.23	[317.1] 1.6168 1.6189 1.6259	1187.4	5.08 5.16	1.6159 1.6174 1.6244 1.6313	1187.1 1192.6	5.02 5.10 5.18	[318.7] 1.6149 1.6159 1.6229 1.6298	1186.9 1192.4 1197.9
320 330 340 350 360	5.21 5.29 5.37 5.46	[316.3] 1.6178 1.6204 1.6274 1.6343 1.6410	1187.6 1193.1 1198.5	5.14 5.23 5.31 5.39	[317.1] 1.6168 1.6189 1.6259 1.6328 1.6395	1187.4 1192.9 1198.3 1203.7 1209.1 1214.4	5.08 5.16 5.24 5.32 5.40 5.48	1.6159 1.6174 1.6244 1.6313 1.6380 1.6446 1.6510	1187.1 1192.6 1198.1	5.02 5.10 5.18	[318.7] 1.6149 1.6159 1.6229 1.6298 1.6366 1.6432 1.6496	1186.9 1192.4 1197.9 1203.3 1208.7
320 330 340 350 360 370	5.21 5.29 5.37 5.46 5.54 5.62 5.70	[316.3] 1.6178 1.6204 1.6274 1.6343 1.6410 1.6476 1.6540 1.6603	1187.6 1193.1 1198.5 1203.9 1209.3	5.14 5.23 5.31 5.39 5.47	[317.1] 1.6168 1.6189 1.6259 1.6328 1.6395 1.6461 1.6525 1.6589	1187.4 1192.9 1198.3 1203.7 1209.1 1214.4 1219.7	5.08 5.16 5.24 5.32 5.40 5.48 5.56	1.6159 1.6174 1.6244 1.6313 1.6380 1.6446 1.6510 1.6574	1187.1 1192.6 1198.1 1203.5 1208.9 1214.2 1219.5	5.02 5.10 5.18 5.26 5.34	[318.7] 1.6149 1.6159 1.6229 1.6298 1.6366 1.6432 1.6496 1.6560	1186.9 1192.4 1197.9 1203.3 1208.7 1214.0 1219.3
320 330 340 350 360 370 380	5.21 5.29 5.37 5.46 5.54 5.62	[316.3] 1.6178 1.6204 1.6274 1.6343 1.6410 1.6476 1.6540	1187.6 1193.1 1198.5 1203.9 1209.3 1214.6	5.14 5.23 5.31 5.39 5.47 5.55	[317.1] 1.6168 1.6189 1.6259 1.6328 1.6395 1.6461 1.6525	1187.4 1192.9 1198.3 1203.7 1209.1 1214.4	5.08 5.16 5.24 5.32 5.40 5.48	1.6159 1.6174 1.6244 1.6313 1.6380 1.6446 1.6510	1187.1 1192.6 1198.1 1203.5 1208.9 1214.2	5.02 5.10 5.18 5.26 5.34 5.42	[318.7] 1.6149 1.6159 1.6229 1.6298 1.6366 1.6432 1.6496	1186.9 1192.4 1197.9 1203.3 1208.7 1214.0
320 330 340 850 360 370 380 390 400	5.21 5.29 5.37 5.46 5.54 5.62 5.70 5.78	[316.3] 1.6178 1.6204 1.6274 1.6343 1.6410 1.6476 1.6540 1.6603 1.6665	1187.6 1193.1 1198.5 1203.9 1209.3 1214.6 1219.9 1225.1	5.14 5.23 5.31 5.39 5.47 5.55 5.63 5.71	[317.1] 1.6168 1.6189 1.6259 1.6328 1.6395 1.6461 1.6525 1.6589 1.6651	1187.4 1192.9 1198.3 1203.7 1209.1 1214.4 1219.7 1225.0	5.08 5.16 5.24 5.32 5.40 5.48 5.56 5.64	1.6159 1.6174 1.6244 1.6313 1.6380 1.6446 1.6510 1.6574 1.6637	1187.1 1192.6 1198.1 1203.5 1208.9 1214.2 1219.5 1224.8	5.02 5.10 5.18 5.26 5.34 5.42 5.50 5.57	[318.7] 1.6149 1.6159 1.6229 1.6298 1.6366 1.6432 1.6496 1.6560 1.6622 1.6684	1186.9 1192.4 1197.9 1203.3 1208.7 1214.0 1219.3 1224.6
320 330 340 350 360 370 380 390 400 410	5.21 5.29 5.37 5.46 5.54 5.62 5.70 5.78 5.85 5.93	[316.3] 1.6178 1.6204 1.6274 1.6343 1.6410 1.6476 1.6540 1.6603 1.6665 1.6726 1.6726	1187.6 1193.1 1198.5 1203.9 1209.3 1214.6 1219.9 1225.1 1230.3 1235.5	5.14 5.23 5.31 5.39 5.47 5.55 5.63 5.71 5.78 5.86	[377.1] 1.6168 1.6189 1.6259 1.6328 1.6395 1.6461 1.6525 1.6589 1.6651 1.6712	1187.4 1192.9 1198.3 1203.7 1209.1 1214.4 1219.7 1225.0 1230.2 1230.2	5.08 5.16 5.24 5.32 5.40 5.48 5.56 5.64 5.72 5.79	1.6159 1.6174 1.6244 1.6313 1.6380 1.6446 1.6510 1.6574 1.6637	1187.1 1192.6 1198.1 1203.5 1208.9 1214.2 1219.5 1224.8 1230.0 1235.2	5.02 5.10 5.18 5.26 5.34 5.42 5.50 5.57 5.65	[318.7] 1.6149 1.6159 1.6229 1.6366 1.6432 1.6496 1.6560 1.6622 1.6684 1.6744	1186.9 1192.4 1197.9 1203.3 1208.7 1214.0 1219.3 1224.6
320 330 340 350 360 370 380 390 400 410 420	5.21 5.29 5.37 5.46 5.54 5.62 5.70 5.78 5.85 5.93 6.01	[316.3] 1.6178 1.6204 1.6274 1.6343 1.6410 1.6476 1.6503 1.6665 1.6726 1.6786 1.6786 1.6845	1187.6 1193.1 1198.5 1203.9 1209.3 1214.6 1219.9 1225.1 1230.3 1235.5 1240.7	5.14 5.23 5.31 5.39 5.47 5.55 5.63 5.71 5.78 5.86 5.94	[377.1] 1.6168 1.6189 1.6259 1.6328 1.6328 1.6525 1.65651 1.6712 1.6772 1.6831	1187.4 1192.9 1198.3 1203.7 1209.1 1214.4 1219.7 1225.0 1230.2 1235.4 1240.5	5.08 5.16 5.24 5.32 5.40 5.48 5.56 5.64 5.72 5.79 5.87	1.6159 1.6174 1.6244 1.6313 1.6380 1.6446 1.6510 1.6574 1.6637	1187.1 1192.6 1198.1 1203.5 1208.9 1214.2 1219.5 1224.8 1230.0 1235.2 1240.4	5.02 5.10 5.18 5.26 5.34 5.42 5.50 5.57 5.65 5.72 5.80	[318.7] 1.6149 1.6159 1.6229 1.6366 1.6432 1.6496 1.6560 1.6560 1.6622	1186.9 1192.4 1197.9 1203.3 1208.7 1214.0 1219.3 1224.6 1229.8 1235.0 1240.2
320 330 340 350 360 370 380 390 410 410 420 430 440	5.21 5.29 5.37 5.46 5.54 5.62 5.70 5.78 5.85 5.93	[316.3] 1.6178 1.6204 1.6274 1.6343 1.6410 1.6476 1.6540 1.6603 1.6665 1.6726 1.6726	1187.6 1193.1 1198.5 1203.9 1209.3 1214.6 1219.9 1225.1 1230.3 1235.5	5.14 5.23 5.31 5.39 5.47 5.55 5.63 5.71 5.78 5.86	[377.1] 1.6168 1.6189 1.6259 1.6328 1.6395 1.6461 1.6525 1.6589 1.6651 1.6712	1187.4 1192.9 1198.3 1203.7 1209.1 1214.4 1219.7 1225.0 1230.2 1230.2	5.08 5.16 5.24 5.32 5.40 5.48 5.56 5.64 5.72 5.79	1.6159 1.6174 1.6244 1.6313 1.6380 1.6446 1.6510 1.6574 1.6637	1187.1 1192.6 1198.1 1203.5 1208.9 1214.2 1219.5 1224.8 1230.0 1235.2	5.02 5.10 5.18 5.26 5.34 5.42 5.50 5.57 5.65	[318.7] 1.6149 1.6159 1.6229 1.6366 1.6432 1.6496 1.6560 1.6622 1.6684 1.6744	1186.9 1192.4 1197.9 1203.3 1208.7 1214.0 1219.3 1224.6
320 330 340 850 360 370 380 390 400 410 420 430 440	5.21 5.29 5.37 5.46 5.54 5.62 5.70 5.78 5.85 5.93 6.01 6.09 6.16	[316.3] 1.6178 1.6204 1.6274 1.6343 1.6476 1.6540 1.6565 1.6726 1.6786 1.6845 1.6903 1.6960	1187.6 1193.1 1198.5 1203.9 1209.3 1214.6 1219.9 1225.1 1230.3 1235.5 1240.7 1245.8 1250.9	5.14 5.23 5.31 5.39 5.47 5.55 5.63 5.71 5.78 5.86 5.94 6.01 6.09	[317.1] 1.6168 1.6189 1.6259 1.6328 1.6395 1.6461 1.6525 1.6589 1.6651 1.6772 1.6831 1.6889 1.6946	1187.4 1192.9 1198.3 1203.7 1209.1 1214.4 1219.7 1225.0 1230.2 1235.4 1240.5 1245.6 1250.7	5.08 5.16 5.24 5.32 5.40 5.48 5.56 5.64 5.72 5.79 5.94 6.02	1.6159 1.6174 1.6244 1.6313 1.6380 1.6446 1.6510 1.6574 1.6637 1.6698 1.6758 1.6817 1.6875 1.6932	1187.1 1192.6 1198.1 1203.5 1208.9 1214.2 1219.5 1224.8 1230.0 1235.2 1240.4 1245.5	5.02 5.10 5.18 5.26 5.34 5.42 5.50 5.57 5.65 5.72 5.80 5.87 5.95	[318.7] 1.6149 1.6159 1.6229 1.6298 1.6366 1.6432 1.6496 1.6560 1.6622 1.6684 1.6744 1.6803 1.6861 1.6918	1186.9 1192.4 1197.9 1203.3 1208.7 1214.0 1219.3 1224.6 1229.8 1235.0 1245.4 1250.5
320 330 340 350 360 370 380 390 400 410 420 430 440	5.21 5.29 5.37 5.46 5.54 5.62 5.70 5.78 5.85 5.93 6.01 6.09 6.16	[316.3] 1.6178 1.6204 1.6274 1.6343 1.6410 1.6540 1.6563 1.6665 1.6726 1.6786 1.6845 1.6903 1.6960	1187.6 1193.1 1198.5 1203.9 1214.6 1219.9 1225.1 1230.3 1235.5 1240.7 1245.8 1250.9	5.14 5.23 5.31 5.39 5.47 5.55 5.63 5.71 5.78 5.86 5.94 6.01 6.09	[317.1] 1.6168 1.6189 1.6259 1.6328 1.6395 1.65461 1.6525 1.6589 1.6651 1.6772 1.6831 1.6889 1.6946	1187.4 1192.9 1198.3 1203.7 1209.1 1214.4 1219.7 1225.0 1235.4 1240.5 1245.6 1250.7	5.08 5.16 5.24 5.32 5.40 5.48 5.56 5.64 5.72 5.79 5.87 5.94 6.02	1.6159 1.6174 1.6244 1.6313 1.6380 1.6446 1.6574 1.6637 1.6698 1.6758 1.6817 1.6875 1.6932	1187.1 1192.6 1198.1 1203.5 1203.5 1214.2 1219.5 1224.8 1230.0 1235.2 1240.4 1245.5 1250.6	5.02 5.10 5.18 5.26 5.34 5.42 5.50 5.57 5.65 5.72 5.80 5.87 5.95	[318.7] 1.6149 1.6159 1.6229 1.6366 1.6432 1.6496 1.6560 1.6622 1.6684 1.6744 1.6803 1.6861 1.6918	1186.9 1192.4 1197.9 1203.3 1208.7 1214.0 1219.3 1224.6 1235.0 1240.2 1245.4 1250.5
320 330 340 350 360 370 380 390 410 420 440 440 450 460	5.21 5.29 5.37 5.46 5.54 5.70 5.78 5.85 5.93 6.01 6.09 6.16 6.24 6.32	[316.3] 1.6204 1.6204 1.6274 1.6343 1.6410 1.6476 1.6503 1.6665 1.6726 1.6786 1.6845 1.6903 1.6960 1.7016 1.7072	1187.6 1193.1 1198.5 1203.9 1209.3 1214.6 1219.9 1225.1 1230.3 1235.5 1240.7 1245.8 1250.9	5.14 5.23 5.31 5.39 5.47 5.55 5.71 5.78 5.86 6.01 6.09 6.17 6.24	[377.1] 1.6168 1.6189 1.6259 1.6328 1.6328 1.65461 1.6525 1.6589 1.6651 1.6712 1.6831 1.6889 1.6946 1.7002	1187.4 1192.9 1198.3 1203.7 1209.1 1214.4 1219.7 1225.0 1230.2 1235.4 1245.6 1250.7	5.08 5.16 5.24 5.32 5.40 5.48 5.56 5.64 5.72 5.87 5.87 5.94 6.02 6.09 6.17	1.6159 1.6174 1.6244 1.6313 1.6380 1.6446 1.6510 1.6574 1.6637 1.6698 1.6875 1.6875 1.6832 1.6932	1187.1 1192.6 1198.1 1203.5 1208.9 1214.5 1224.8 1230.0 1235.2 1240.4 1245.5 1250.6	5.02 5.18 5.18 5.26 5.34 5.42 5.55 5.57 5.65 5.72 5.80 5.87 5.95 6.02 6.10	[318.7] 1.6149 1.6159 1.6229 1.6366 1.6432 1.6496 1.6560 1.6560 1.6622 1.6684 1.6744 1.6803 1.6861 1.6918 1.6975	1186.9 1192.4 1197.9 1203.3 1208.7 1214.0 1219.3 1224.6 1229.8 1235.0 1240.2 1245.4 1250.5
320 330 340 350 360 370 380 390 400 410 420 440 440 460 470	5.21 5.29 5.37 5.46 5.54 5.70 5.78 5.85 5.93 6.09 6.16 6.24 6.32 6.39	[316.3] 1.6178 1.6204 1.6274 1.6343 1.6410 1.6476 1.6540 1.6665 1.6726 1.6726 1.6786 1.6845 1.6903 1.6960 1.7016	1187.6 1193.1 1198.5 1203.9 1209.3 1214.6 1219.9 1225.1 1230.3 1235.5 1240.7 1245.8 1250.9	5.14 5.23 5.31 5.39 5.47 5.55 5.63 5.71 5.78 6.01 6.09 6.17 6.24 6.32	[317.1] 1.6168 1.6189 1.6259 1.6328 1.6395 1.6461 1.6558 1.65651 1.6772 1.6871 1.6889 1.6889 1.7002	1187.4 1192.9 1198.3 1203.7 1209.1 1214.4 1219.7 1225.0 1235.4 1245.6 1250.7	5.08 5.16 5.24 5.32 5.40 5.56 5.64 5.72 5.79 5.94 6.02 6.09 6.17 6.24	1.6159 1.6174 1.6244 1.6313 1.6380 1.6446 1.6510 1.6574 1.6637 1.6698 1.6758 1.6875 1.6875 1.6932	1187.1 1192.6 1198.1 1203.5 1208.9 1214.2 1219.5 1224.8 1230.0 1235.2 1240.4 1245.5 1250.6	5.02 5.10 5.18 5.26 5.34 5.42 5.57 5.65 5.72 5.87 5.87 5.95 6.02 6.10 6.17	[318.7] 1.6149 1.6159 1.6229 1.6366 1.6432 1.6456 1.6560 1.6622 1.6684 1.6744 1.6803 1.6861 1.6918	1186.9 1197.4 1197.9 1203.3 1208.7 1214.0 1219.3 1224.6 1229.8 1235.0 1240.2 1245.4 1250.5
320 330 340 350 360 370 380 390 410 420 430	5.21 5.29 5.37 5.46 5.54 5.70 5.78 5.85 5.93 6.01 6.09 6.16 6.24 6.32	[316.3] 1.6204 1.6204 1.6274 1.6343 1.6410 1.6476 1.6503 1.6665 1.6726 1.6786 1.6845 1.6903 1.6960 1.7016 1.7072	1187.6 1193.1 1198.5 1203.9 1209.3 1214.6 1219.9 1225.1 1230.3 1235.5 1240.7 1245.8 1250.9	5.14 5.23 5.31 5.39 5.47 5.55 5.71 5.78 5.86 6.01 6.09 6.17 6.24	[377.1] 1.6168 1.6189 1.6259 1.6328 1.6328 1.65461 1.6525 1.6589 1.6651 1.6712 1.6831 1.6889 1.6946 1.7002	1187.4 1192.9 1198.3 1203.7 1209.1 1214.4 1219.7 1225.0 1230.2 1235.4 1245.6 1250.7	5.08 5.16 5.24 5.32 5.40 5.48 5.56 5.64 5.72 5.87 5.87 5.94 6.02 6.09 6.17	1.6159 1.6174 1.6244 1.6313 1.6380 1.6446 1.6510 1.6574 1.6637 1.6698 1.6875 1.6875 1.6832 1.6932	1187.1 1192.6 1198.1 1203.5 1208.9 1214.5 1224.8 1230.0 1235.2 1240.4 1245.5 1250.6	5.02 5.18 5.18 5.26 5.34 5.42 5.55 5.57 5.65 5.72 5.80 5.87 5.95 6.02 6.10	[318.7] 1.6149 1.6159 1.6229 1.6366 1.6432 1.6496 1.6560 1.6560 1.6622 1.6684 1.6744 1.6803 1.6861 1.6918 1.6975	1186.9 1192.4 1197.9 1203.3 1208.7 1214.0 1219.3 1224.6 1240.2 1245.2 1255.6 1260.7 1260.7 1270.8
320 330 340 350 360 370 380 390 410 410 420 440 450 440 450 440	5.21 5.27 5.37 5.46 5.54 5.62 5.70 5.78 5.85 5.93 6.09 6.16 6.24 6.32 6.47	[316.3] 1.6178 1.6204 1.6274 1.6343 1.6410 1.6476 1.6540 1.6660 1.6726 1.6726 1.6786 1.6903 1.6903 1.7016 1.7016 1.7016	1187.6 1193.1 1198.5 1203.9 1209.3 1214.6 1219.9 1225.1 1230.3 1235.5 1245.8 1250.9 1256.0 1261.0 1266.1	5.14 5.23 5.31 5.39 5.47 5.55 5.71 5.78 5.86 6.01 6.09 6.17 6.24 6.32 6.39 6.47	[377.1] 1.6168 1.6189 1.6259 1.6328 1.6395 1.6461 1.6525 1.6589 1.6651 1.6772 1.6831 1.6889 1.6946 1.7002 1.7058 1.7112 1.71166 1.7220	1187.4 1192.9 1198.3 1203.7 1209.1 1214.4 1219.7 1225.0 1230.2 1235.4 1240.5 1245.6 1250.7	5.08 5.16 5.24 5.32 5.40 5.48 5.56 5.72 5.79 5.87 6.02 6.09 6.17 6.24 6.32	1.6159 1.6174 1.6244 1.6313 1.6380 1.6446 1.6510 1.6574 1.6637 1.6698 1.6758 1.6875 1.6932 1.6988 1.7044 1.7099 1.7153 1.7206	1187.1 1192.6 1198.1 1203.5 1208.9 1214.2 1219.5 1224.8 1230.0 1235.2 1240.4 1245.5 1250.6	5.02 5.18 5.18 5.26 5.34 5.50 5.57 5.65 5.72 5.80 5.87 5.95 6.02 6.10 6.17 6.24	[318.7] 1.6149 1.6159 1.6229 1.6366 1.6432 1.6496 1.6560 1.6560 1.6562 1.6684 1.6744 1.6803 1.6861 1.7030 1.7030 1.7085 1.7139 1.7192	1186.9 1192.4 1197.9 1203.3 1208.7 1214.0 1219.3 1224.6 1245.4 1250.5 1265.7 1265.7 1275.8
320 330 340 350 360 370 380 390 400 410 440 440 450 460 470 480 500	5.21 5.29 5.37 5.46 5.54 5.70 5.78 5.85 5.93 6.01 6.09 6.16 6.24 6.32 6.39 6.47 6.54	[316.3] 1.6178 1.6204 1.6274 1.6343 1.6410 1.6476 1.6540 1.6665 1.6726 1.6786 1.6845 1.6903 1.6960 1.7016 1.7072 1.7126 1.7180 1.7233	1187.6 1193.1 1198.5 1203.9 1201.6 1219.9 1225.1 1230.3 1235.5 1240.7 1245.8 1250.9 1256.0 1266.1 1271.1 1276.1	5.14 5.23 5.31 5.39 5.47 5.55 5.63 5.71 5.78 5.86 6.09 6.17 6.09 6.17 6.24 6.32 6.39	[377.1] 1.6168 1.6189 1.6259 1.6328 1.6395 1.6461 1.6525 1.6589 1.6651 1.6772 1.6889 1.6889 1.6946 1.7002 1.7002 1.7008	1187.4 1192.9 1198.3 1203.7 1209.1 1214.4 1219.7 1225.0 1230.2 1235.4 1240.5 1245.6 1250.7 1255.8 1260.9 1271.0 1276.0	5.08 5.16 5.24 5.32 5.40 5.48 5.56 5.64 5.72 5.87 5.94 6.02 6.09 6.17 6.24 6.32 6.39	1.6159 1.6174 1.6244 1.6313 1.6380 1.6446 1.6510 1.6574 1.6637 1.6698 1.6817 1.6825 1.6932 1.6988 1.7044 1.7099 1.7153	1187.1 1192.6 1198.1 1203.5 1204.9 1214.9 1219.5 1224.8 1230.0 1235.2 1240.4 1245.5 1250.6 1255.7 1260.8 1265.9 1270.9 1275.9	5.02 5.10 5.18 5.26 5.34 5.42 5.50 5.57 5.65 5.72 5.87 5.95 6.02 6.10 6.17 6.24	[318.7] 1.6149 1.6159 1.6229 1.6366 1.6432 1.6496 1.6560 1.6684 1.6744 1.6803 1.6861 1.6918 1.6975 1.7030 1.7085	1186.9 1192.4 1197.9 1203.3 1208.7 1214.0 1219.3 1224.6 1229.8 1235.0 1245.4 1250.5
320 330 340 350 360 370 380 390 400 410 440 440 440 440 450 460 440 5550 500	5.21 5.29 5.37 5.46 5.54 5.70 5.78 5.85 5.93 6.09 6.16 6.24 6.32 6.39 6.47 6.54	[316.3] 1.6178 1.6204 1.6274 1.6343 1.6410 1.6450 1.6663 1.6726 1.6786 1.6845 1.6903 1.6960 1.7016 1.7072 1.7126 1.7180 1.7233	1187.6 1193.1 1198.5 1203.9 1209.3 1214.6 1219.9 1225.1 1230.3 1235.5 1240.7 1245.8 1250.9 1256.0 1266.1 1271.1 1276.1	5.14 5.23 5.31 5.39 5.47 5.563 5.71 5.78 5.86 6.01 6.09 6.17 6.24 6.32 6.39 6.47 6.54	[317.1] 1.6168 1.6189 1.6259 1.6328 1.6395 1.6461 1.6525 1.6589 1.6651 1.6712 1.6889 1.6889 1.6946 1.7002 1.7058 1.7112 1.7166 1.7220	1187.4 1192.9 1198.3 1203.7 1209.1 1214.4 1219.7 1225.0 1230.2 1235.4 1240.5 1245.6 1250.7 1255.8 1260.9 1271.0 1276.0	5.08 5.16 5.24 5.32 5.40 5.56 5.564 5.72 5.79 5.87 5.94 6.02 6.09 6.17 6.24 6.32 6.39 6.46	1.6159 1.6174 1.6244 1.6313 1.6380 1.6446 1.6570 1.6637 1.6698 1.6758 1.6875 1.6875 1.6932 1.6988 1.7044 1.7099 1.7153 1.7206	1187.1 1192.6 1198.1 1203.5 1208.9 1214.2 1219.5 1224.8 1230.0 1235.2 1240.4 1245.5 1250.6 1255.7 1260.8 1265.9 1270.9 1275.9	5.02 5.18 5.26 5.34 5.42 5.55 5.57 5.65 5.72 5.80 5.87 5.95 6.02 6.10 6.17 6.24 6.32	[318.7] 1.6149 1.6159 1.6229 1.6366 1.6432 1.6496 1.6560 1.6560 1.6622 1.6684 1.6744 1.6803 1.6861 1.6918 1.6975 1.7030 1.7085 1.7139 1.7192	1186.9 1192.4 1197.9 1203.3 1208.7 1214.0 1219.3 1224.6 1235.0 1240.2 1245.4 1250.5 1260.7 1265.7 1275.8
320 330 3340 350 360 370 380 3390 400 440 440 440 440 440 450 460 470 480 490	5.21 5.29 5.37 5.46 5.52 5.70 5.78 5.93 6.01 6.32 6.32 6.34 6.32 6.34 6.54 6.62 6.69	[316.3] 1.6178 1.6204 1.6274 1.6343 1.6410 1.6476 1.6563 1.6665 1.6726 1.6786 1.6845 1.6903 1.7016 1.7180 1.7128	1187.6 1193.1 1198.5 1203.9 1209.3 1214.6 1225.1 1230.3 1235.5 1240.7 1245.8 1250.9 1256.0 1266.1 1271.1 1276.1	5.14 5.23 5.31 5.39 5.47 5.55 5.63 5.71 5.78 6.86 6.01 6.09 6.17 6.32 6.39 6.47 6.54 6.91	[317.1] 1.6168 1.6189 1.6259 1.6328 1.6395 1.6461 1.6552 1.6589 1.6651 1.6772 1.6831 1.6889 1.6946 1.7002 1.7058 1.7112 1.7166 1.7220 1.7272 1.7525	1187.4 1192.9 1198.3 1203.7 1209.1 1219.7 1225.0 1230.2 1235.4 1240.5 1245.6 1250.7 1255.8 1260.9 1271.0 1271.0	5.08 5.16 5.24 5.32 5.40 5.56 5.56 5.72 5.78 5.78 5.79 6.02 6.17 6.32 6.39 6.46 6.83	1.6159 1.6174 1.6244 1.6313 1.6380 1.6446 1.6510 1.6574 1.6698 1.6758 1.6875 1.6932 1.6988 1.7044 1.7099 1.7153 1.7206 1.7258 1.7258	1187.1 1192.6 1198.1 1203.5 1208.9 1214.2 1219.5 1224.8 1230.0 1235.2 1240.4 1245.5 1250.6 1255.7 1260.8 1265.9 1270.9 1275.9	5.02 5.10 5.18 5.26 5.34 5.42 5.57 5.65 5.72 5.80 5.87 5.95 6.02 6.10 6.17 6.24 6.32 6.39 6.75	[318.7] 1.6149 1.6159 1.6229 1.6366 1.6432 1.6456 1.6556 1.6622 1.6684 1.6744 1.6744 1.6803 1.6861 1.7030 1.7085 1.7139 1.7192 1.7245	1186.9 1192.4 1197.9 1203.3 1208.7 1214.0 1219.3 1224.6 1245.4 1250.5 1265.7 1265.7 1270.8 1275.8 1280.9 1305.8
320 339 340 350 360 370 380 370 440 440 440 440 440 440 440 440 440 4	5.21 5.29 5.37 5.46 5.52 5.70 5.78 5.85 6.01 6.09 6.16 6.32 6.39 6.54 6.69 7.36	[316.3] 1.6178 1.6204 1.6274 1.6343 1.6476 1.6540 1.6540 1.6726 1.6786 1.6845 1.6903 1.7016 1.7012 1.7128 1.7138 1.7238 1.7286	1187.6 1193.1 1198.5 1203.9 1209.3 1214.6 1219.9 1225.1 1230.3 1235.5 1240.7 1245.8 1250.9 1256.0 1261.1 1271.1 1276.1	5.14 5.23 5.31 5.39 5.47 5.55 5.63 5.71 5.78 5.94 6.01 6.09 6.17 6.24 6.32 6.47 6.54 6.91 7.27	[317.1] 1.6168 1.6189 1.6259 1.6328 1.6395 1.6461 1.6525 1.6589 1.6651 1.6772 1.6831 1.6889 1.6946 1.7002 1.7058 1.7166 1.7220	1187.4 1192.9 1198.3 1203.7 1209.1 1214.4 1219.7 1225.0 1235.4 1240.5 1245.6 1250.7 1255.8 1260.9 1271.0 1276.0	5.08 5.16 5.24 5.32 5.48 5.56 5.64 5.79 5.87 5.94 6.02 6.09 6.17 6.24 6.39 6.46 6.83 7.19	1.6159 1.6174 1.6244 1.6313 1.6380 1.6446 1.6574 1.6637 1.6698 1.6758 1.6817 1.6932 1.6932 1.7044 1.7053 1.7206	1187.1 1192.6 1198.1 1203.5 1224.9 1214.2 1219.5 1224.8 1235.2 1240.4 1245.5 1250.6 1255.7 1260.8 1265.9 1275.9 1275.9	5.02 5.18 5.26 5.34 5.50 5.57 5.65 5.72 5.80 5.87 5.95 6.02 6.10 6.24 6.32 6.39 6.75 7.10	[318.7] 1.6149 1.6159 1.6229 1.6298 1.6366 1.6432 1.6496 1.6560 1.6622 1.6684 1.6744 1.6803 1.6918 1.6918 1.7030 1.7030 1.7139 1.7192	1186.9 1192.4 1197.9 1203.3 1208.7 1214.0 1219.3 1224.6 1235.0 1246.2 1245.4 1250.5 1255.6 1260.7 1270.8 1275.8

Pres-	89 [319.5]				90 [320.3]			91 [321.0]		92 [321.8]		
Temp P.	•	8	i	▼	8	i	V	8	i	▼		i
Sat.	4.96	1.6140	1186.3	4.91	1.6131	1186.5	4.85	1.6122	1186.7	4.81	1.6113	1186.9
330 340	5.04 5.12	1.6214 1.6283	1192.2 1197.7	4.98 5.06	1.6200	1191.9	4.93 5.00	1.6185 1.6254	1191.7	4.87 4.94	1.6171	1191.5
350 360	5.20 5.28	1.6351	1203.1	5.14 5.22	1.6337	1202.9	5.08 5.16	1.6322	1202.7	5.02 5.10	1.6308	1202.5
370 380 390	5.36 5.43 5.51	1.6482 1.6546 1.6608	1213.8 1219.1 1224.4	5·29 5·37 5·45	1.6468 1.6532 1.6594	1213.7 1219.0 1224.3	5.23 5.31 5.38	1.6454 1.6518 1.6580	1213.5 1218.8 1224.1	5.17 5.25 5.32	1.6440 1.6504 1.6567	1213.3 1218.6 1223.9
400	5.58 5.66	1.6670	1229.7 1234.9	5.52 5.59	1.6656	1229.5 1234.7	5.46 5.53	1.6642	1229.3 1234.6	5.40 5.47	1.6628	1229.2
420 430 440	5.73 5.81 5.88	1.6789 1.6847 1.6904	1240.1 1245.2 1250.3	5.67 5.74 5.81	1.6775 1.6834 1.6891	1239.9 1245.1 1250.2	5.60 5.67 5.75	1.6762 1.6820 1.6878	1239.8 1244.9 1250.1	5.54 5.61 5.68	1.6748 1.6807 1.6864	1239.6 1244.8 1249.9
450 460 470	5.95 6.03 6.10	1.6961 1.7017 1.7072	1255.4 1260.5 1265.6	5.89 5.96 6.03	1.6948 1.7003 1.7058	1255.3 1260.4 1265.5	5.82 5.89 5.96	1.6934 1.6990 1.7045	1255.2 1260.3 1265.4	5.75 5.83 5.90	1.6921 1.6977 1.7032	1255.1 1260.2 1265.3
480 490	6.17 6.24	1.7126	1270.7	6.10 6.17	1.7113	1270.6 1275.6	6.03	1.7099	1270.4	5.97 6.04	1.7086	1270.3
500 550 600	6.32 6.67 7.02	1.7232 1.7486 1.7726	1280.7 1305.7 1330.6	6.24 6.60 6.95	1.7218 1.7472 1.7713	1280.6 1305.7 1330.5	6.17 6.52 6.87	1.7205 1.7459 1.7700	1280.5 1305.6 1330.5	6.11 6.45 6.79	1.7192 1.7447 1.7688	1280.4 1305.5 1330.4
650 700	7.37 7.72	1.7955	1355.4 1380.2	7.29 7.63	1.7942	1355.4 1380.2	7.21 7.55	1.7930	1355.3 1380.1	7.13 7.46	1.7917	1355.3 1380.1
750 800 850	8.06 8.40 8.74	1.8384 1.8587 1.8784	1405.2 1430.3 1455.5	7.97 8.31 8.64	1.8372 1.8575 1.8771	1405.1 1430.2 1455.4	7.88 8.21 8.55	1.8359 1.8562 1.8759	1405.1 1430.2 1455.4	7.79 8.12 8.45	1.8347 1.8550 1.8447	1405.1 1430.2 1455.4
		93 [322.6]		94 [323.3]			95 [324.1]			96 [324.8]		
Sat.	4.76	1.6105	1187.1	4.71	1.6096	1187.3	4.66	1.6087	1187.5	4.62	1.6079	1187.7
330 340	4.81 4.89	1.6156	1191.2 1196.8	4.76 4.83	1.6142 1.6212	1191.0	4.71 4.78	1.6128 1.6198	1190.8	4.65 4.73	1.6114 1.6184	1190.5
350 360 370	4.97 5.04 5.12	1.6294 1.6361 1.6426	1202.3 1207.7 1213.1	4.91 4.99 5.06	1.6280 1.6347 1.6413	1202.0 1207.5 1212.9	4.86 4.93 5.00	1.6266 1.6334 1.6399	1201.8 1207.3 1212.7	4.80 4.88 4.95	1.6253 1.6320 1.6386	1201.6 1207.1 1212.5
380 390	5.19 5.26	1.6490 1.6553	1218.4	5.13 5.21	1.6477	1218.3	5.08	1.6463	1218.1	5.02	1.6450	1217.9
400 410 420	5.34 5.41 5.48	1.6615 1.6676 1.6735	1229.0 1234.3 1239.5	5.28 5.35 5.42	1.6601 1.6662 1.6722	1228.8 1234.1 1239.3	5.22 5.29 5.36	1.6588 1.6649 1.6709	1228.7 1233.9 1239.1	5.16 5.23 5.30	1.6575 1.6636 1.6696	1228.5 1233.8 1239.0
430 440	5.55 5.62	1.6794	1244.6	5.49 5.56	1.6781 1.6838	1244.5	5·43 5·50	1.6768 1.6825		5·37 5·44	1.6755	1244.2
450 460 470	5.69 5.76 5.83	1.6908 1.6964 1.7019	1254.9 1260.0 1265.1	5.63 5.70 5.77	1.6895 1.6951 1.7006	1254.8 1259.9 1265.0	5.57 5.64	1.6882 1.6938 1.6993	1254.7 1259.8 1264.9	5.51 5.58	1.6869 1.6926 1.6981	1254.5
480 490	5.90 5.97	1.7019	1270.2	5.84 5.91	1.7060	1270.1	5.71 5.77 5.84	1.7048	1270.0	5.65 5.71 5.78	1.7035	1264.8 1269.9 1275.0
500 550 600	6.04 6.38 6.72	1.7180 1.7434 1.7675	1280.3 1305.4 1330.3	5.97 6.31 6.65	1.7167 1.7422 1.7663	1280.2 1305.3 1330.2	5.91 6.25 6.58	1.7154 1.7409 1.7651	1280.1 1305.2 1330.2	5.85 6.18 6.51	1.7142 1.7397 1.7639	1280.0 1305.1 1330.1
650 700	7.05 7.38	1.7905	1355.2 1380.1	6.98 7.30	1.7893	1355.1 1380.0	6.90 7.22	1.7881	1355.1 1380.0	6.83 7.15	1.7869 1.8088	1355.0
750 800 850	7.71 8.04 8.36	1.8335 1.8538 1.8735	1405.0 1430.1 1455.3	7.63 7.95 8.27	1.8323 1.8526 1.8723	1405.0 1430.1 1455.3	7·55 7.87 8.19	1.8311 1.8514 1.8711	1404.9 1430.0 1455.3	7.47 7.78 8.10	1.8299 1.8502 1.8699	1404.9 1430.0 1455.3

Pres- sure		97 [325.6]			98 [326.3]			99 [327.1]			100 [327.8]	
Temp F.	▼	8	i	▼		i	٧		i	V	8	i
Sat.	4.57	1.6070	1187.8	4.53	1.6062	1188.0	4.48	1.6053	1188.2	4.44	1.6045	1188.4
330 340	4.60 4.68	1.6100 1.6171	1190.3	4.55 4.63	1.6086	1190.1	4.50 4.58	1.6073 1.6144	1189.8 1195.4	4.46 4.53	1.6059 1.6130	1189.6
350	4.75	1.6239	1201.4	4.70	1.6226	1201.2	4.65	1.6213	1201.0	4.60	1.6199	1 200.8
360	4.82	1.6307	1206.9	4.77	1.6293	1206.7	4.72	1.6280	1206.5	4.67	1.6267	1206.
370	4.90	1.6372	1212.3	4.84	1.6359	1212.1	4.79	1.6346	1211.9	4.74	1.6333	1211.
380 390	4.97 5.04	1.6437	1217.7	4.91 4.98	1.6424	1217.5	4.86 4.93	1.6411	1217.3	4.81 4.88	1.6398 1.6461	1217.
400	5.11	1.6562	1228.3	5.05	1.6549	1228.2	5.00	1.6536	1228.0	4.95	1.6523	1227.
410	5.18	1.6623	1233.6	5.12	1.6610	1233.5	5.07	1.6598	1233.3	5.02	1.6585	1233.
420	5.24	1.6683	1238.8	5.19	1.6670	1238.7	5.14	1.6658	1238.5	5.08	1.6645	1238.
430	5.31	1.6742	1244.0	5.26	1.6729	1243.9	5.20	1.6717	1243.8	5.15	1.6704	1243.
440	5.38	1.6800	1249.2	5.33	1.6787	1249.1	5.27	1.6775	1249.0	5.22	1.6762	1248.
450	5.45	1.6857	1254.4	5.39	1.6844	1254.3	5.34	1.6832	1254.1	5.28	1.6820	1254.0
460	5.52	1.6913	1259.5	5.46	1.6900	1259.4	5.40	1.6888	1259.3	5.35	1.6876	1259.
470	5.59	1.6968	1264.6	5.53	1.6956	1264.5	5.47	1.6944	1264.4	5.41	1.6932	1264.
480 490	5.65 5.72	1.7023	1269.7	5.59 5.66	1.7011	1274.7	5.54 5.60	1.6998	1269.5 1274.6	5.48 5.54	1.7040	1259 1274.
-	_											
500	5.78	1.7130	1279.9	5.72	1.7117	1279.8	5.67	1.7105	1279.7	5.61	1.7093	1279.
550 6 00	6.11 6.44	1.7385	1305.1	6.05 6.37	1.7373	1305.0	5.99 6.31	1.7361 1.7603	13 04 .9 13 2 9.9	5.93 6.24	1.7349	1304.8
650	6.76	1.7857	1355.0	6.69	1.7845	1354.9	6.62	1.7833	1354.8	6.55	1.7822	1354.
700	7.08	1.8076	1379.9	7.00	1.8065	1379.8	6.93	1.8053	1379.8	6.86	1.8042	1379.
		- 0-0-			- 96	1404.8	7.04	1.8264	1404.8	7.17	1.8253	1404.
	7.39	1.8287	1404.9	7.31	1.8276		7.24		1404.0	/ • • /		
800	7.70	1.8491	1430.0	7.62	1.8479	1429.9	7.55	1.8468	1429.9	7-47	1.8456	1429.0
750 800 850												1429.9 1455.1
800	7.70	1.8491	1430.0	7.62	1.8479	1429.9	7.55	1.8468	1429.9	7-47	1.8456	1429.9
800 850	7.70	1.8491 1.8687	1430.0	7.62	1.8479 1.8676	1429.9	7.55	1.8468 1.8665	1429.9	7-47	1.8456 1.8653	1429.9
800	7.70 8.02	1.8491 1.8687 101 [328.5]	1430.0 1455.2	7.62 7.93	1.8479 1.8676 102 [329.2]	1429.9 1455.2	7.55 7.85	1.8468 1.8665 103 [330.0]	1429.9 1455.2	7.47 7.77	1.8456 1.8653 104 [330-7]	1429.0
800 850 Sat.	7.70 8.02 4.40 4.48	1.8491 1.8687 101 [328.5]	1430.0 1455.2	7.62 7.93 4.36 4.43	1.8479 1.8676 102 [329.2]	1429.9 1455.2	7.55 7.85 4.32 4.39	1.8468 1.8665 103 [330.0]	1429.9 1455.2	7.47 7.77 4.28 4.34	1.8456 1.8653 104 [330-7]	1429.0
800 850 Sat.	7.70 8.02 4.40	1.8491 1.8687 101 [328.5] 1.6037 1.6117	1430.0 1455.2 1188.5 1195.0	7.62 7.93 4.36	1.8479 1.8676 102 [329.2] 1.6028 1.6104	1429.9 1455.2 1188.7 1194.8	7.55 7.85 4.32 4.39 4.46 4.53	1.8468 1.8665 103 [330.0] 1.6020 1.6091	1429.9 1455.2 1188.9 1194.5	7.47 7.77	1.8456 1.8653 104 [330.7] 1.6012 1.6078	1429.0
800 850 Sat. 340 350 360 370	7.70 8.02 4.40 4.48 4.55 4.62 4.69	1.8491 1.8687 101 [328.5] 1.6037 1.6117 1.6186 1.6254 1.6320	1430.0 1455.2 1188.5 1195.0 1200.6 1206.1 1211.6	7.62 7.93 4.36 4.43 4.50 4.57 4.64	1.8479 1.8676 102 [329.2] 1.6028 1.6104 1.6173 1.6241 1.6308	1429.9 1455.2 1188.7 1194.8 1200.3 1205.9 1211.4	7.55 7.85 4.32 4.39 4.46 4.53 4.60	1.8468 1.8665 103 [330.0] 1.6020 1.6091 1.6160 1.6228 1.6295	1429.9 1455.2 1188.9 1194.5 1200.1 1205.7 1211.2	7.47 7.77 4.28 4.34 4.41 4.48 4.55	1.8456 1.8653 104 [330.7] 1.6012 1.6078 1.6147 1.6215 1.6282	1429.0 1455.1 1189.0 1194.3 1199.9 1205.5 1211.0
800 850 Sat. 340 350 360 370 380	7.70 8.02 4.40 4.48 4.55 4.62 4.69 4.76	1.8491 1.8687 101 [328.5] 1.6037 1.6117 1.6186 1.6254 1.6320 1.6385	1430.0 1455.2 1188.5 1195.0 1200.6 1206.1 1211.6 1217.0	7.62 7.93 4.36 4.43 4.50 4.57 4.64 4.71	1.8479 1.8676 102 [329.2] 1.6028 1.6104 1.6173 1.6241 1.6308 1.6373	1429.9 1455.2 1188.7 1194.8 1200.3 1205.9 1211.4 1216.8	7.55 7.85 4.32 4.39 4.46 4.53 4.60 4.66	1.8468 1.8665 103 [330-0] 1.6020 1.6091 1.6160 1.6228 1.6295 1.6360	1429.9 1455.2 1188.9 1194.5 1200.1 1205.7 1211.2 1216.6	7.47 7.77 4.28 4.34 4.41 4.48 4.55 4.62	1.8456 1.8653 104 [330-7] 1.6012 1.6078 1.6147 1.6215 1.6282 1.6347	1189.0 1194.3 1199.9 1205.5 1211.0
800 850 Sat. 340 350 360 370 380 390	7.70 8.02 4.40 4.48 4.55 4.62 4.69 4.76 4.83	1.8491 1.8687 101 [328.5] 1.6037 1.6117 1.6186 1.6254 1.6320 1.6385 1.6448	1430.0 1455.2 1188.5 1195.0 1200.6 1206.1 1211.6 1217.0 1222.3	7.62 7.93 4.36 4.43 4.50 4.57 4.64 4.71 4.78	1.8479 1.8676 102 [39,2] 1.6028 1.6104 1.6173 1.6241 1.6308 1.6373 1.6436	1429.9 1455.2 1188.7 1194.8 1200.3 1205.9 1211.4	7.55 7.85 7.85 4.32 4.39 4.46 4.53 4.66 4.66 4.73	1.8468 1.8665 103 [330.0] 1.6020 1.6091 1.6160 1.6228 1.6228 1.6360 1.6424	1429.9 1455.2 1188.9 1194.5 1200.1 1205.7 1211.2	7.47 7.77 4.28 4.34 4.41 4.48 4.55	1.8456 1.8653 104 [330.7] 1.6012 1.6078 1.6147 1.6215 1.6282 1.6347 1.6411	1189.0 1194.3 1194.3 1199.0 1205.5 1211.0 1216.4
800 850 850 Sat. 340 350 360 370 380 390 400	7.70 8.02 4.40 4.48 4.55 4.62 4.69 4.76 4.83	1.8491 1.8687 101 [328.5] 1.6037 1.6117 1.6186 1.6254 1.6320 1.6385 1.6448	1430.0 1455.2 1188.5 1195.0 1200.6 1206.1 1211.6 1217.0 1222.3	7.62 7.93 4.36 4.43 4.50 4.57 4.64 4.71 4.78	1.8479 1.8676 102 [329.2] 1.6028 1.6104 1.6173 1.6241 1.6308 1.6373 1.6436 1.6499	1429.9 1455.2 1188.7 1194.8 1200.3 1205.9 1211.4 1216.8 1222.2	7.55 7.85 7.85 4.32 4.39 4.46 4.53 4.66 4.73 4.80	1.8468 1.8665 103 [330.0] 1.6020 1.6020 1.6160 1.6228 1.6228 1.6295 1.6360 1.6424 1.6486	1429.9 1455.2 1188.9 1194.5 1200.1 1205.7 1211.2 1216.6 1222.0	7.47 7.77 4.28 4.34 4.41 4.48 4.55 4.62 4.68	104 [39-7] 1.6012 1.6012 1.60147 1.6215 1.6282 1.6347 1.6411 1.6474	1189.0 1194.3 1199.0 1205.5 1211.0 1221.8
800 850 850 340 360 370 380 390 400 410	7.70 8.02 4.40 4.48 4.55 4.62 4.69 4.76 4.83 4.90 4.97	1.8491 1.8687 101 [328.5] 1.6037 1.6117 1.6186 1.6254 1.6320 1.6385 1.6448 1.6511 1.6572	1430.0 1455.2 1188.5 1195.0 1200.6 1201.6 1211.6 1217.0 1222.3 1227.7 1233.0	7.62 7.93 4.36 4.43 4.50 4.57 4.64 4.71 4.78 4.85 4.91	1.8479 1.8676 102 [329.2] 1.6028 1.6104 1.6173 1.6241 1.6308 1.6373 1.6436 1.6499 1.6560	1429.9 1455.2 1188.7 1194.8 1200.3 1211.4 1216.8 1222.2 1227.5 1232.8	7.55 7.85 7.85 4.32 4.39 4.46 4.53 4.60 4.66 4.73 4.80 4.86	1.8468 1.8665 103 [330.0] 1.6020 1.6091 1.6160 1.6228 1.6295 1.6360 1.6424 1.6486 1.6547	1429.9 1455.2 1188.9 1194.5 1200.1 1205.7 1211.2 1216.6 1222.0	7.47 7.77 4.28 4.34 4.41 4.48 4.55 4.62 4.68 4.75 4.82	104 [330-7] 1.6012 1.6012 1.6078 1.6147 1.6215 1.6282 1.6347 1.6411 1.6474 1.6535	1189.0 1194.3 1199.0 1205.5 1211.0 1216.4 1221.8
Sat. 340 350 360 370 380 390 400 410 420	7.70 8.02 4.40 4.48 4.55 4.69 4.76 4.83 4.90 4.97 5.03	1.8491 1.8687 101 [328.5] 1.6037 1.6117 1.6186 1.6254 1.6325 1.6448 1.6511 1.6572 1.6633	1430.0 1455.2 1188.5 1195.0 1200.6 1206.1 1211.6 1217.0 1222.3 1227.7 1233.0 1238.2	7.62 7.93 4.36 4.43 4.50 4.57 4.64 4.71 4.78 4.85 4.91 4.98	1.8479 1.8676 102 [329.2] 1.6028 1.6104 1.6173 1.6241 1.6308 1.6373 1.6436 1.6499 1.6560 1.6621	1429.9 1455.2 1188.7 1194.8 1200.3 1205.9 1211.4 1216.8 1222.2 1227.5 1232.8 1238.1	7.55 7.85 7.85 4.32 4.39 4.46 4.53 4.66 4.73 4.80 4.86 4.93	1.8468 1.8665 103 [330.0] 1.6020 1.6091 1.6160 1.6228 1.6228 1.6360 1.6424 1.6486 1.6547 1.6608	1429.9 1455.2 1188.9 1194.5 1200.1 1205.7 1211.2 1216.6 1222.0 1227.3 1232.6 1237.9	7.47 7.77 4.28 4.34 4.41 4.48 4.55 4.62 4.68 4.75 4.82 4.88	1.8456 1.8653 104 [330-7] 1.6012 1.6078 1.6147 1.6215 1.6282 1.6347 1.6411 1.6474 1.6535 1.6596	1189.0 1194.3 1194.3 1199.0 1205.5 1211.0 1216.4 1221.8
Sat. 340 350 350 360 3390 400 410 420 430	7.70 8.02 4.40 4.48 4.55 4.62 4.69 4.76 4.83 4.90 4.97	1.8491 1.8687 101 [328.5] 1.6037 1.6117 1.6186 1.6254 1.6320 1.6385 1.6448 1.6511 1.6572	1430.0 1455.2 1188.5 1195.0 1200.6 1201.6 1211.6 1217.0 1222.3 1227.7 1233.0	7.62 7.93 4.36 4.43 4.50 4.57 4.64 4.71 4.78 4.85 4.91 4.98 5.04	1.8479 1.8676 102 [329.2] 1.6028 1.6104 1.6173 1.6241 1.6308 1.6373 1.6436 1.6499 1.6560	1429.9 1455.2 1188.7 1194.8 1200.3 1211.4 1216.8 1222.2 1227.5 1232.8	7.55 7.85 7.85 4.32 4.39 4.46 4.53 4.60 4.66 4.73 4.80 4.86	1.8468 1.8665 103 [330.0] 1.6020 1.6091 1.6160 1.6228 1.6295 1.6360 1.6424 1.6486 1.6547	1429.9 1455.2 1188.9 1194.5 1200.1 1205.7 1211.2 1216.6 1222.0	7.47 7.77 4.28 4.34 4.41 4.48 4.55 4.62 4.68 4.75 4.82	104 [330-7] 1.6012 1.6012 1.6078 1.6147 1.6215 1.6282 1.6347 1.6411 1.6474 1.6535	1189.0 1194.3 1199.0 1205.5 1211.0 1216.4 1221.8
800 850 Sat. 340 350 3360 3370 440 440 4420 4440 4440	7.70 8.02 4.40 4.48 4.55 4.69 4.76 4.83 4.90 4.97 5.03 5.10	1.8491 1.8687 101 [328.5] 1.6037 1.6117 1.6186 1.6254 1.6320 1.6325 1.6448 1.6511 1.6572 1.6633 1.6692 1.6750 1.6808	1430.0 1455.2 1188.5 1195.0 1200.6 1206.1 1211.6 1217.0 1222.3 1227.7 1233.0 1238.2 1243.5 1248.7	7.62 7.93 4.36 4.43 4.50 4.57 4.64 4.71 4.78 4.85 4.91 4.98 5.04	1.8479 1.8676 102 [329.2] 1.6028 1.6104 1.6173 1.6241 1.6308 1.6373 1.6436 1.6499 1.6560 1.6680 1.6738 1.6738	1429.9 1455.2 1188.7 1194.8 1200.3 1205.9 1211.4 1216.8 1222.2 1227.5 1232.8 1238.1 1243.3 1248.5	7.55 7.85 7.85 4.32 4.39 4.46 4.53 4.66 4.73 4.86 4.93 4.99	1.8468 1.8665 103 [330.0] 1.6020 1.6091 1.6160 1.6228 1.6228 1.6360 1.6424 1.6486 1.6547 1.6608 1.6668 1.6726 1.6726	1429.9 1455.2 1188.9 1194.5 1200.1 1205.7 1211.2 1216.6 1222.0 1227.3 1232.6 1237.9 1243.2 1248.4	7.47 7.77 4.28 4.34 4.41 4.48 4.55 4.62 4.68 4.75 4.82 4.88 4.94	1.8456 1.8653 104 [330-7] 1.6012 1.6078 1.6147 1.6215 1.6282 1.6347 1.6474 1.6535 1.6596 1.6656 1.6714 1.6772	1189.0 1194.3 1199.5 1205.5 1211.0 1216.4 1221.8 1227.2 1237.8 1243.0 1248.3
800 850 850 840 850 850 330 400 410 440 440 460	7.70 8.02 4.40 4.48 4.55 4.69 4.76 4.83 4.90 5.03 5.10 5.16	1.8491 1.8687 101 [328.5] 1.6037 1.6117 1.6186 1.6254 1.6325 1.6385 1.6448 1.6511 1.6572 1.6633 1.6692 1.6750 1.6808 1.6808	1430.0 1455.2 1188.5 1195.0 1200.6 1206.1 1211.6 1217.0 1222.3 1227.7 1233.0 1238.2 1243.5 1248.7	7.62 7.93 4.36 4.43 4.50 4.57 4.64 4.71 4.78 4.98 5.04 5.11 5.18 5.24	1.8479 1.8676 102 [329.2] 1.6028 1.6104 1.6173 1.6241 1.6308 1.6373 1.6436 1.6560 1.6680 1.6738 1.6738 1.6796 1.6796 1.6852	1429.9 1455.2 1188.7 1194.8 1200.3 1205.9 1211.4 1216.8 1222.2 1227.5 1232.8 1238.1 1243.3 1248.5 1253.7 1258.9	7.55 7.85 7.85 4.32 4.39 4.46 4.53 4.66 4.73 4.86 4.93 4.99 5.06 5.12 5.19	1.8468 1.8665 103 [330.0] 1.6020 1.6091 1.6160 1.6228 1.6360 1.6424 1.6486 1.6547 1.6608 1.6668 1.6726 1.6726 1.6784 1.6840	1429.9 1455.2 1188.9 1194.5 1200.1 1205.7 1211.2 1216.6 1222.0 1227.3 1232.6 1237.9 1243.2 1248.4 1253.6 1258.8	7.47 7.77 4.28 4.34 4.41 4.48 4.55 4.62 4.68 4.75 4.82 4.88 4.94 5.01	1.8456 1.8653 104 [330-7] 1.6012 1.6078 1.6147 1.6215 1.6282 1.6347 1.6474 1.6535 1.6596 1.6656 1.6714 1.6772 1.6828	1189.0 1194.3 1199.0 1205.1 1216.4 1221.8 1227.2 1232.2 1248.3 1258.5
800 850 340 350 360 370 380 410 410 420 430 440 460 470	7.70 8.02 4.40 4.48 4.55 4.62 4.69 4.76 4.83 4.90 4.97 5.10 5.16 5.23 5.29 5.36	1.8491 1.8687 101 [328.5] 1.6037 1.6117 1.6186 1.6254 1.6325 1.6325 1.6448 1.6511 1.6572 1.6633 1.6692 1.6750 1.6808 1.6864 1.6920	1430.0 1455.2 1188.5 1195.0 1200.6 1206.1 1211.6 1217.0 1222.3 1227.7 1233.0 1238.5 1248.7	7.62 7.93 4.36 4.43 4.50 4.57 4.64 4.71 4.78 4.85 4.91 4.98 5.04 5.11 5.18 5.24 5.30	1.8479 1.8676 102 [329.2] 1.6028 1.6104 1.6173 1.6241 1.6308 1.6373 1.6436 1.6499 1.6560 1.6680 1.6680 1.6738	1429.9 1455.2 1188.7 1194.8 1200.3 1205.9 1211.4 1216.8 1222.2 1227.5 1232.8 1238.1 1243.3 1248.5	7.55 7.85 7.85 4.32 4.39 4.46 4.53 4.66 4.73 4.86 4.93 4.99 5.06 5.12 5.19 5.25	1.8468 1.8665 103 [330.0] 1.6020 1.6020 1.6020 1.6160 1.6228 1.6225 1.6360 1.6424 1.6486 1.6547 1.6668 1.6726 1.6784 1.6840 1.6896	1429.9 1455.2 1188.9 1194.5 1200.1 1205.7 1211.2 1216.6 1222.0 1227.3 1232.6 1237.2 1243.2 1248.4 1253.6 1258.8	7.47 7.77 4.28 4.34 4.41 4.48 4.55 4.62 4.68 4.75 4.82 4.82 4.94 5.01 5.07 5.14 5.20	1.8456 1.8653 104 [39-7] 1.6012 1.6078 1.6147 1.6215 1.6282 1.6347 1.6474 1.6535 1.65656 1.6656 1.6672 1.6828 1.6828 1.6884	1189.0 1194.5 1194.5 1205.5 1211.0 1216.4 1221.8 1227.2 1232.5 1243.0 1248.3 1253.5 1253.5 1263.8
800 850 Sat. 340 850 860 870 880 880 880 880 840 840 840 840 840 84	7.70 8.02 4.40 4.48 4.55 4.69 4.76 4.83 4.90 4.97 5.03 5.16 5.23 5.29 5.36 5.42	1.8491 1.8687 101 [328.5] 1.6037 1.6117 1.6186 1.6254 1.6320 1.6385 1.6448 1.6511 1.6572 1.6633 1.6692 1.6750 1.6888 1.6864 1.6920 1.6920 1.6974	1430.0 1455.2 1195.0 1200.6 1206.1 1211.6 1217.0 1222.3 1227.7 1233.0 1238.2 1243.5 1248.7 1259.0 1264.2 1269.3	7.62 7.93 4.36 4.43 4.50 4.57 4.64 4.71 4.78 4.85 4.91 5.04 5.11 5.18 5.24 5.30 5.37	1.8479 1.8676 102 [399.2] 1.6028 1.6104 1.6173 1.6241 1.6308 1.6373 1.6436 1.6499 1.6560 1.6621 1.6682 1.6738 1.6738 1.6796 1.6852 1.6908 1.6908 1.6962	1429.9 1455.2 1188.7 1194.8 1200.3 1205.9 1211.4 1216.8 1222.2 1227.5 1232.8 1238.1 1243.3 1248.5 1258.9 1258.9 1264.0 1269.2	7.55 7.85 7.85 4.32 4.39 4.46 4.53 4.60 4.66 4.73 4.86 4.93 4.99 5.06 5.12 5.19 5.25 5.31	1.8468 1.8665 103 [330.0] 1.6020 1.6020 1.6091 1.6160 1.6228 1.6225 1.6360 1.6424 1.6486 1.6547 1.6608 1.6668 1.6726 1.6726 1.6840	1429.9 1455.2 1188.9 1194.5 1200.1 1205.7 1211.2 1216.6 1222.0 1227.3 1232.6 1237.9 1248.4 1253.6 1258.8 1263.9 1269.1	7.47 7.77 4.28 4.34 4.41 4.48 4.55 4.62 4.68 4.75 4.82 4.82 4.84 5.01 5.07 5.14 5.20 5.26	1.8456 1.8653 104 [330-7] 1.6012 1.6012 1.6012 1.6215 1.6282 1.6347 1.6411 1.6474 1.6535 1.6596 1.6656 1.6772 1.6828 1.6828 1.6828 1.6828 1.6828	1189.0 1194.5 1199.0 1205.1 1216.4 1221.8 1227.2 1232.5 1243.0 1248.5 1258.7 1268.0
800 850 Sat. 340 350 360 3390 400 410 420 430 440 460 470 480 490	7.70 8.02 4.40 4.48 4.55 4.62 4.69 4.76 4.83 4.90 4.97 5.10 5.16 5.23 5.29 5.36	1.8491 1.8687 101 [328.5] 1.6037 1.6117 1.6186 1.6254 1.6325 1.6325 1.6448 1.6511 1.6572 1.6633 1.6692 1.6750 1.6808 1.6864 1.6920	1430.0 1455.2 1188.5 1195.0 1200.6 1206.1 1211.6 1217.0 1222.3 1227.7 1233.0 1238.5 1248.7	7.62 7.93 4.36 4.43 4.50 4.57 4.64 4.71 4.78 4.85 4.91 4.98 5.04 5.11 5.18 5.24 5.30	1.8479 1.8676 102 [329.2] 1.6028 1.6104 1.6173 1.6241 1.6308 1.6373 1.6436 1.6499 1.6560 1.6680 1.6680 1.6738	1429.9 1455.2 1188.7 1194.8 1200.3 1205.9 1211.4 1216.8 1222.2 1227.5 1232.8 1238.1 1243.3 1248.5	7.55 7.85 7.85 4.32 4.39 4.46 4.53 4.66 4.73 4.86 4.93 4.99 5.06 5.12 5.19 5.25	1.8468 1.8665 103 [330.0] 1.6020 1.6020 1.6020 1.6160 1.6228 1.6225 1.6360 1.6424 1.6486 1.6547 1.6668 1.6726 1.6784 1.6840 1.6896	1429.9 1455.2 1188.9 1194.5 1200.1 1205.7 1211.2 1216.6 1222.0 1227.3 1232.6 1237.2 1243.2 1248.4 1253.6 1258.8	7.47 7.77 4.28 4.34 4.41 4.48 4.55 4.62 4.68 4.75 4.82 4.82 4.94 5.01 5.07 5.14 5.20	1.8456 1.8653 104 [39-7] 1.6012 1.6078 1.6147 1.6215 1.6282 1.6347 1.6474 1.6535 1.65656 1.6656 1.6672 1.6828 1.6828 1.6884	1189.0 1194.5 1199.0 1205.1 1216.4 1221.8 1227.2 1232.5 1243.0 1248.5 1258.7 1268.0
800 850 Sat. 340 850 3370 3380 3390 440 440 440 440 450 460 470 480 490	7.70 8.02 4.40 4.48 4.55 4.62 4.69 4.76 4.83 4.90 4.97 5.10 5.16 5.23 5.29 5.36 5.42 5.49	1.8491 1.8687 101 [328.5] 1.6037 1.6117 1.6186 1.6254 1.6320 1.6385 1.6448 1.6511 1.6572 1.6633 1.6692 1.6750 1.6808 1.6804 1.6920 1.6974 1.7028	1430.0 1455.2 1188.5 1195.0 1200.6 1206.1 1211.6 1217.0 1222.3 1227.7 1233.0 1238.2 1243.5 1248.7 1253.9 1259.0 1264.2 1269.3 1274.4	7.62 7.93 4.36 4.43 4.50 4.57 4.64 4.71 4.78 4.85 4.91 4.98 5.04 5.11 5.18 5.24 5.30 5.37 5.43	1.8479 1.8676 102 [329.2] 1.6028 1.6104 1.6173 1.6241 1.6308 1.6373 1.6436 1.6560 1.6560 1.6680 1.6738 1.6962 1.6908 1.6962 1.7016 1.7070	1429.9 1455.2 1188.7 1194.8 1200.3 1205.9 1211.4 1216.8 1222.2 1227.5 1232.8 1238.1 1243.3 1248.5 1253.7 1258.9 1264.0 1269.2 1274.3 1279.4	7.55 7.85 7.85 4.32 4.39 4.46 4.53 4.60 4.66 4.73 4.80 4.93 4.99 5.06 5.12 5.25 5.31 5.38 5.45	1.8468 1.8665 103 [330.0] 1.6020 1.6091 1.6160 1.6228 1.6228 1.6295 1.6360 1.6424 1.6688 1.6726 1.6726 1.6896 1.6896 1.6951 1.7005	1429.9 1455.2 1188.9 1194.5 1200.1 1205.7 1211.2 1216.6 1222.0 1227.3 1232.6 1237.9 1243.2 1248.4 1253.6 1258.8 1263.9 1269.1 1274.2	7.47 7.77 4.28 4.34 4.41 4.48 4.55 4.62 4.68 4.75 4.82 4.88 4.94 5.01 5.07 5.14 5.20 5.26 5.32	1.8456 1.8653 104 [39-7] 1.6012 1.6078 1.6147 1.6215 1.6282 1.6347 1.6471 1.6535 1.6535 1.6556 1.6714 1.6772 1.6828 1.6884 1.6939 1.7046	1189.0 1194.3 1194.3 1199.0 1205.1 1216.4 1221.8 1227.2 1232.2 1243.0 1248.3 1258.5 1268.9 1274.1
800 850 Sat. 340 850 350 370 380 370 440 440 440 440 440 440 440 450 460 470 480 490	7.70 8.02 4.40 4.48 4.55 4.69 4.76 4.83 4.90 4.97 5.03 5.16 5.23 5.29 5.36 5.36 5.42 5.49	1.8491 1.8687 101 [328.5] 1.6037 1.6117 1.6186 1.6254 1.6320 1.6385 1.6448 1.6511 1.6572 1.6633 1.6692 1.6750 1.6808 1.6864 1.6920 1.6974 1.7028 1.7081 1.7338	1430.0 1455.2 1188.5 1195.0 1200.6 1206.1 1211.6 1217.0 1222.3 1227.7 1233.0 1238.2 1243.5 1248.7 1259.0 1264.2 1269.3 1274.4	7.62 7.93 4.36 4.43 4.50 4.57 4.64 4.71 4.78 4.85 4.91 5.94 5.11 5.18 5.24 5.30 5.37 5.43	1.8479 1.8676 102 [399-2] 1.6028 1.6104 1.6173 1.6241 1.6308 1.6373 1.6436 1.6499 1.6560 1.6681 1.6738 1.6738 1.6738 1.6908 1.6908 1.6908 1.6908 1.7016 1.7070 1.7326	1429.9 1455.2 1188.7 1194.8 1200.3 1205.9 1211.4 1216.8 1222.2 1227.5 1232.8 1238.1 1248.5 1248.5 1258.9 1264.0 1269.2 1274.3 1279.4 1304.6	7.55 7.85 7.85 4.32 4.39 4.46 4.53 4.60 4.66 4.73 4.86 4.93 4.99 5.06 5.12 5.19 5.25 5.31 5.38 5.45 5.75	1.8468 1.8665 103 [330.0] 1.6020 1.6020 1.6091 1.6160 1.6228 1.6295 1.6360 1.6424 1.6486 1.6547 1.6668 1.6726 1.6784 1.6840 1.7055 1.7058	1429.9 1455.2 1188.9 1194.5 1200.1 1205.7 1211.2 1216.6 1222.0 1227.3 1232.6 1237.9 1248.4 1253.8 1263.9 1269.1 1274.2	7.47 7.77 4.28 4.34 4.41 4.48 4.55 4.62 4.68 4.75 4.82 4.82 4.84 5.01 5.07 5.14 5.20 5.26 5.32 5.39 5.69	1.8456 1.8653 104 [330-7] 1.6012 1.6078 1.6147 1.6215 1.6282 1.6347 1.6474 1.6535 1.6536 1.6656 1.6714 1.6772 1.6828 1.6939 1.6993 1.7046 1.7303	1189.5 1194.5 1194.5 1194.5 1205.1 1216.4 1221.8 1227.2 1232.5 1243.5 1243.5 1243.5 1258.7 126.6 1274.1
800 850 Sat. 340 350 360 3370 380 440 440 440 440 440 440 440 440 440 4	7.70 8.02 4.40 4.48 4.55 4.69 4.76 4.83 4.90 4.97 5.03 5.16 5.23 5.24 5.49 5.55 6.18	1.8491 1.8687 101 [328.5] 1.6037 1.6117 1.6186 1.6254 1.6320 1.6385 1.6448 1.6511 1.6572 1.6633 1.6692 1.6750 1.6808 1.6864 1.6920 1.6920 1.6920 1.7028	1430.0 1455.2 1188.5 1195.0 1200.6 1206.1 1211.6 1217.0 1222.3 1227.7 1233.0 1238.2 1248.7 1253.9 1259.3 1264.2 1269.3 1274.4	7.62 7.93 4.36 4.43 4.50 4.57 4.64 4.71 4.78 4.85 4.91 4.98 5.04 5.11 5.18 5.24 5.30 5.37 5.43	1.8479 1.8676 102 [329-2] 1.6028 1.6104 1.6173 1.6241 1.6308 1.6373 1.6436 1.6499 1.6560 1.6621 1.6688 1.6738 1.6796 1.6852 1.6908 1.6908 1.6906 1.7070 1.7326 1.7070 1.7326 1.7568	11429.9 1455.2 1188.7 1194.8 1200.3 1205.9 1211.4 1216.8 1222.2 1227.5 1232.8 1238.1 1248.5 1253.7 1258.9 1264.0 1269.2 1274.3 1279.4 1304.6 1329.7	7.55 7.85 7.85 4.32 4.39 4.46 4.53 4.60 4.66 4.73 4.80 4.86 4.93 4.99 5.06 5.12 5.19 5.25 5.31 5.38	1.8468 1.8665 103 [330.0] 1.6020 1.6020 1.6091 1.6160 1.6228 1.6228 1.6225 1.6360 1.6424 1.6486 1.6547 1.6608 1.6726 1.6726 1.6784 1.6896 1.6951 1.7058 1.7058 1.7315 1.7557	1429.9 1455.2 1188.9 1194.5 1200.1 1205.7 1211.2 1216.6 1222.0 1227.3 1232.6 1237.9 1248.4 1253.6 1258.8 1269.1 1274.2 1274.2	7.47 7.77 4.28 4.34 4.41 4.48 4.55 4.62 4.68 4.75 4.82 4.88 4.94 5.01 5.07 5.14 5.26 5.26 5.32 5.39 6.00	1.8456 1.8653 104 [330-7] 1.6012 1.6078 1.6147 1.6215 1.6282 1.6347 1.6411 1.6474 1.6535 1.6596 1.6714 1.6772 1.6884 1.6972 1.6884 1.6993 1.7046 1.7303 1.7546	1189.0 1194.3 1199.0 1205.1 1216.4 1221.8 1237.8 1248.3 1248.3 1253.5 1268.2 1274.1
800 850 Sat. 340 850 850 3370 3380 440 440 440 450 450 450 450 450 650	7.70 8.02 4.40 4.48 4.55 4.69 4.76 4.83 4.90 4.97 5.03 5.16 5.23 5.29 5.36 5.36 5.42 5.49	1.8491 1.8687 101 [328.5] 1.6037 1.6117 1.6186 1.6254 1.6320 1.6385 1.6448 1.6511 1.6572 1.6633 1.6692 1.6750 1.6808 1.6864 1.6920 1.6974 1.7028 1.7081 1.7338	1430.0 1455.2 1188.5 1195.0 1200.6 1206.1 1211.6 1217.0 1222.3 1227.7 1233.0 1238.2 1243.5 1248.7 1259.0 1264.2 1269.3 1274.4	7.62 7.93 4.36 4.43 4.50 4.57 4.64 4.71 4.78 4.85 4.91 5.94 5.11 5.18 5.24 5.30 5.37 5.43	1.8479 1.8676 102 [399-2] 1.6028 1.6104 1.6173 1.6241 1.6308 1.6373 1.6436 1.6499 1.6560 1.6681 1.6738 1.6738 1.6738 1.6908 1.6908 1.6908 1.6908 1.7016 1.7070 1.7326	1429.9 1455.2 1188.7 1194.8 1200.3 1205.9 1211.4 1216.8 1222.2 1227.5 1232.8 1238.1 1248.5 1248.5 1258.9 1264.0 1269.2 1274.3 1279.4 1304.6	7.55 7.85 7.85 4.32 4.39 4.46 4.53 4.60 4.66 4.73 4.86 4.93 4.99 5.06 5.12 5.19 5.25 5.31 5.38 5.45 5.75	1.8468 1.8665 103 [330.0] 1.6020 1.6020 1.6091 1.6160 1.6228 1.6295 1.6360 1.6424 1.6486 1.6547 1.6668 1.6726 1.6784 1.6840 1.7055 1.7058	1429.9 1455.2 1188.9 1194.5 1200.1 1205.7 1211.2 1216.6 1222.0 1227.3 1232.6 1237.9 1248.4 1253.8 1263.9 1269.1 1274.2	7.47 7.77 4.28 4.34 4.41 4.48 4.55 4.62 4.68 4.75 4.82 4.82 4.84 5.01 5.07 5.14 5.20 5.26 5.32 5.39 5.69	1.8456 1.8653 104 [330-7] 1.6012 1.6078 1.6147 1.6215 1.6282 1.6347 1.6474 1.6535 1.6536 1.6656 1.6714 1.6772 1.6828 1.6939 1.6993 1.7046 1.7303	1189 1194 1194 1205 1211 1221 1227 1232 1243 1253 1268 1274 1274 1274 1274 1274 1274 1274 1274 1274 1274
800 850 Sat. 340 350 350 3370 3380 3390 440 440 440 440 440 450 460 470 480 490 650 650 670	7.70 8.02 4.40 4.48 4.55 4.69 4.76 4.83 4.90 5.10 5.16 5.23 5.29 5.36 5.42 5.49 5.55 6.18 6.49	1.8491 1.8687 101 [328.5] 1.6037 1.6117 1.6186 1.6254 1.6320 1.6385 1.6448 1.6511 1.6572 1.6633 1.6692 1.6750 1.6808 1.6920 1.6920 1.7028 1.7081 1.7338 1.7580 1.7580	1430.0 1455.2 1188.5 1195.0 1200.6 1206.1 1211.6 1217.0 1222.3 1227.7 1233.0 1238.2 1243.5 1248.7 1259.0 1264.2 1269.3 1274.4 1279.5 1304.7 1329.8 1354.7	7.62 7.93 4.36 4.43 4.50 4.57 4.64 4.71 4.78 4.85 4.91 4.98 5.04 5.11 5.18 5.24 5.37 5.43 5.50 6.12 6.42	1.8479 1.8676 102 [329.2] 1.6028 1.6104 1.6173 1.6241 1.6308 1.6373 1.6436 1.6680 1.66821 1.6688 1.6738 1.6796 1.6852 1.7016 1.7070 1.7356 1.7356 1.7798	1429.9 1455.2 1188.7 1194.8 1200.3 1205.9 1211.4 1216.8 1222.2 1227.5 1232.8 1243.3 1248.5 1253.7 1258.9 1264.0 1269.2 1274.3 1279.4 1304.6 1329.7 1354.7	7.55 7.85 7.85 4.32 4.39 4.46 4.53 4.60 4.66 4.73 4.80 4.86 4.93 4.99 5.06 5.12 5.19 5.25 5.31 5.38 5.45 6.06 6.36	1.8468 1.8665 103 [330.0] 1.6020 1.6091 1.6160 1.6228 1.6228 1.6360 1.6424 1.6486 1.6547 1.6608 1.6726 1.6726 1.6726 1.6840 1.6951 1.7005	1429.9 1455.2 1188.9 1194.5 1200.1 1205.7 1211.2 1216.6 1222.0 1227.3 1232.6 1237.9 1243.2 1248.4 1253.6 1258.8 1263.9 1269.1 1274.2	7.47 7.77 4.28 4.34 4.41 4.48 4.62 4.68 4.75 4.62 4.88 4.94 5.01 5.07 5.14 5.20 5.32 5.39 5.69 6.00 6.30	1.8456 1.8653 104 [330-7] 1.6012 1.6012 1.6078 1.6147 1.6215 1.6282 1.6347 1.6474 1.6535 1.6596 1.6772 1.6828 1.6828 1.6828 1.6939 1.7546 1.7776	1189.5 1194.5 1199.5 1205.1 1216.4 1221.8 1227.2 1232.5 1243.6 1248.3 1258.7 1268.6 1274.1 1279.2 1304.4 1329.5 1354.5 1379.5
800 850 Sat. 340 350 350 380 370 380 370 380 440 440 440 440 440 450 460 490 550 660 650 700	7.70 8.02 4.40 4.48 4.55 4.69 4.76 4.83 4.90 4.97 5.36 5.16 5.23 5.29 5.36 5.42 5.49 6.80	1.8491 1.8687 101 [328.5] 1.6037 1.6117 1.6186 1.6254 1.6320 1.6385 1.6448 1.6511 1.6572 1.6633 1.6692 1.6750 1.6808 1.6864 1.6920 1.7028 1.7081 1.8030	1430.0 1455.2 1188.5 1195.0 1200.6 1206.1 1211.6 1217.0 1222.3 1227.7 1233.0 1238.2 1248.7 1253.9 1264.2 1269.3 1274.4 1279.5 1304.7 1329.8 1354.7 1379.7	7.62 7.93 4.36 4.43 4.50 4.57 4.64 4.71 4.78 4.85 4.91 5.04 5.04 5.30 5.37 5.43 5.50 6.12 6.73	1.8479 1.8676 102 [399.2] 1.6028 1.6104 1.6173 1.6241 1.6308 1.6373 1.6436 1.6499 1.6560 1.6680 1.6738 1.6968 1.6968 1.6962 1.7016 1.7070 1.7326 1.7568 1.7758 1.7798 1.8018	1429.9 1455.2 1188.7 1194.8 1200.3 1205.9 1211.4 1216.8 1222.2 1227.5 1232.8 1238.1 1243.3 1248.5 1253.7 1258.9 1264.0 1269.2 1274.3 1279.4 1304.6 1329.7 1354.7 1379.6	7.55 7.85 7.85 4.32 4.39 4.46 4.53 4.60 4.66 4.73 4.80 4.86 4.93 4.99 5.06 5.12 5.19 5.25 5.31 5.38 5.45 6.06 6.36 6.66	1.8468 1.8665 103 [330.0] 1.6020 1.6020 1.6020 1.6160 1.6228 1.6225 1.6360 1.6424 1.6486 1.6547 1.6668 1.6726 1.6784 1.6840 1.6896 1.6951 1.7055 1.7058 1.7157 1.7787 1.8007	1429.9 1455.2 1188.9 1194.5 1200.1 1205.7 1211.2 1216.6 1222.0 1227.3 1232.6 1237.9 1243.2 1248.4 1253.6 1258.8 1263.9 1269.1 1274.2 1279.3 1304.5 1329.6 1354.6 1379.6	7.47 7.77 4.28 4.34 4.41 4.48 4.55 4.62 4.68 4.75 4.82 4.82 4.82 4.94 5.01 5.20 5.26 5.32 5.39 6.00 6.30 6.60	1.8456 1.8653 104 [330-7] 1.6012 1.6078 1.6147 1.6215 1.6282 1.6347 1.6471 1.6474 1.6535 1.6536 1.6656 1.6656 1.6656 1.6722 1.6884 1.6939 1.7046 1.7303 1.7546 1.7776 1.7997	1189.0 1194.3 1199.0 1205.1 1216.4 1221.8 1237.8 1248.3 1248.3 1253.5 1268.2 1274.1
Sat. 340 350 360 370 380 400 410 420 430 440	7.70 8.02 4.40 4.48 4.55 4.69 4.76 4.83 4.90 4.97 5.03 5.16 5.23 5.23 5.249 5.55 6.18 6.49 6.80 7.10	1.8491 1.8687 101 [328.5] 1.6037 1.6117 1.6186 1.6254 1.6320 1.6385 1.6448 1.6511 1.6572 1.6633 1.6692 1.6750 1.6808 1.6808 1.6920 1.6974 1.7028 1.7081 1.7338 1.7580 1.7810 1.8030 1.8241	1430.0 1435.2 1188.5 1195.0 1200.6 1206.1 1211.6 1217.0 1222.3 1227.7 1233.0 1238.2 1248.7 1253.9 1259.9 1259.0 1264.2 1269.3 1274.4 1279.5 1304.7 1329.8 1354.7 1379.7 1404.7	7.62 7.93 4.36 4.43 4.50 4.57 4.64 4.71 4.78 4.85 4.91 4.98 5.04 5.11 5.18 5.24 5.30 5.37 5.43 5.50 6.12 6.42 6.73 7.93	1.8479 1.8676 102 [399.4] 1.6028 1.6104 1.6173 1.6241 1.6308 1.6373 1.6436 1.6560 1.66821 1.6680 1.6738 1.6796 1.6882 1.6908 1.6908 1.7070 1.7326 1.7588 1.7798 1.7588 1.798 1.8018 1.8230 1.8433	11429.9 1455.2 1188.7 1194.8 1200.3 1205.9 1211.4 1216.8 1222.2 1227.5 1232.8 1238.1 1248.5 1253.7 1253.7 1258.9 1264.0 1269.2 1274.3 1279.4 1304.6 1329.7 1354.7 1379.6	7.55 7.85 7.85 4.32 4.39 4.46 4.53 4.60 4.66 4.73 4.80 4.86 4.93 4.93 4.93 5.06 5.12 5.25 5.31 5.38 5.45 6.06 6.36 6.66 6.96	1.8468 1.8665 103 [330.0] 1.6020 1.6020 1.6060 1.6228 1.6228 1.6225 1.6360 1.6424 1.6486 1.6547 1.6608 1.6668 1.6726 1.6784 1.6896 1.6896 1.6951 1.7058 1.7058 1.7787 1.7787 1.7807 1.8007	1429.9 1455.2 1188.9 1194.5 1200.1 1205.7 1211.2 1216.6 1222.0 1227.3 1232.6 1237.9 1248.4 1253.6 1258.9 1269.1 1274.2 1279.3 1304.5 1329.6 1354.6 1379.6	7.47 7.77 4.28 4.34 4.41 4.48 4.55 4.62 4.68 4.75 4.82 4.88 4.94 5.01 5.07 5.14 5.26 5.32 5.39 5.69 6.30 6.60 6.89	1.8456 1.8653 104 [330-7] 1.6012 1.6012 1.6078 1.6147 1.6215 1.6282 1.6347 1.6411 1.6474 1.6535 1.6596 1.6772 1.6828 1.6828 1.6993 1.7046 1.7776 1.7997 1.8208	1189.0 1194.5 1199.0 1205.1 1211.0 1216.4 1221.8 1232.5 1248.3 1248.3 1253.5 1268.0 1274.1 1279.2 1304.4 1329.5 1379.5

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Pres- sure		105 [331.4]			106 [332.0]			107 [332.7]			108 [333-4]	
Temp P.	•		i	▼	8	i	•	8	i	▼	8	i
Sat.	4-24	1.6004	1189.2	4.20	1.5996	1189.4	4.17	1.5989	1189.5	4.13	1.5981	1189.7
340	4.30	1.6065	1194.1	4.26	1.6052	1193.8	4.21	1.6040	1193.6	4.17	1.6027	1193.4
350	4-37	1.6135	1199.7	4.32	1.6122	1199.5	4.28	1.6110	1199.2	4.24	1.6097	1199.0
360	4-44	1.6203	1205.3	4.39	1.6191	1205.1	4.35	1.6178	1204.8	4.31	1.6166	1204.6
370 380	4.50 4.57	1.6270	1210.8	4.46 4.52	1.6257	1210.6 1216.0	4.42 4.48	1.6245 1.6311	1210.4	4-37 4-44	1.6233	1210.2
390	4.64	1.6399	1221.6	4.59	1.6387	1221.4	4.55	1.6375	1221.3	4.50	1.6363	1221.1
400	4.70	1.6462	1227.0	4.66	1.6450	1226.8	4.61	1.6438	1226.7	4.57	1.6426	1226.5
410	4.77	1.6523	1232.3	4.72	1.6512	1232.2	4.67	1.6500	1232.0	4.63	1.6488	1231.8
420	4.83	1.6584	1237.6	4.79	1.6573	1237.5	4.74 4.80	1.6561	1237.3	4.69	1.6549	1237.2
430 440	4.90 4.96	1.6644 1.6702	1242.9	4.85 4.91	1.6691	1242.7	4.87	1.6679	1242.6 1247.8	4.76 4.82	1.6667	1242.5
450	5.02	1.6760	1253.3	4.98	1.6748	1253.2	4.93	1.6737	1253.1	4.88	1.6725	1252.9
460	5.09	1.6817	1258.5	5.04	1.6805	1258.4	4.99	1.6793	1258.3	4.94	1.6782	1258.1
470	5.15	1.6872	1263.7	5.10	1.6861	1263.6	5.05	1.6849	1263.4	5.00	1.6838	1263.3
480	5.21	1.6927	1268.8	5.16	1.6916	1268.7	5.11	1.6905	1268.6	5.06	1.6893	1268.5
490	5.27	1.6981	1273.9	5.22	1.6970	1273.8	5.17	1.6959	1273.7	5.12	1.6947	1273.6
500	5.33	1.7035	1279.0	5.28	1.7024	1278.9	5.23	1.7012	1278.8	5.18	1.7001	1278.7
550 600	5.64 5.94	1.7292	1304.4	5.58 5.88	1.7524	1304.3	5.53 5.83	1.7270	1304.2	5.48 5.77	1.7259	1304.1
650	6.24	1.7766	1354.5	6.18	1.7755	1354.4	6.12	1.7744	1354.4	6.06	1.7733	1354.3
700	6.53	1.7986	1379.5	6.47	1.7976	1379.4	6.41	1.7965	1379.4	6.35	1.7954	1379-3
750	6.82	1.8197	1404.5	6.76	1.8187	1404.5	6.70	1.8176	1404.5	6.63	1.8166	1404.4
800	7.11	1.8401	1429.7	7.05	1.8391	1429.7	6.98	1.8380	1429.6	6.92	1.8370	1429.6
850 900	7.40 7.69	1.8599	1455.0	7.33	1.8588	1455.0	7.27 7.55	1.8577	1454.9	7.20	1.8567	1454.9
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		109			110			111			112	
<u> </u>		[334.1]			[334.8]			[335.5]			[336.1]	
Sat.	4.09		1189.8	4.06	[334.8] 1.5965	1190.0	4.02		1190.1	3.99		1190.3
340	4.09	[334.1]	1189.8	4.06	[334.8]	1192.9	4.02	[335.5]	1190.1	3.99 4.01	[336.1]	1190.3
340 350	4.13	[334.1] 1.5973 1.6014 1.6085	1193.2	4.09	[334.8] 1.5965 1.6002 1.6073	1192.9	4.05	[335·5] 1.5957 1.5990 1.6060	1192.7	4.01	[336.1] 1.5950 1.5977 1.6048	1192.5
340 350 360	4.13 4.20 4.26	[334.1] 1.5973 1.6014 1.6085 1.6154	1193.2 1198.8 1204.4	4.09 4.16 4.22	[334.8] 1.5965 1.6002 1.6073 1.6142	1192.9 1198.6 1204.2	4.05 4.12 4.18	[335.5] 1.5957 1.5990 1.6060 1.6129	1192.7 1198.4 1204.0	4.01 4.08 4.14	[336.1] 1.5950 1.5977 1.6048 1.6117	1192.5 1198.2 1203.8
340 350 360 370	4.13 4.20 4.26 4.33	[334.1] 1.5973 1.6014 1.6085 1.6154 1.6221	1193.2 1198.8 1204.4 1210.0	4.09 4.16 4.22 4.29	[334.8] 1.5965 1.6002 1.6073 1.6142 1.6209	1192.9 1198.6 1204.2 1209.8	4.05 4.12 4.18 4.25	[335.5] 1.5957 1.5990 1.6060 1.6129 1.6197	1192.7 1198.4 1204.0 1209.6	4.01 4.08 4.14 4.21	[336.1] 1.5950 1.5977 1.6048 1.6117 1.6185	1192.5 1198.2 1203.8 1209.4
340 350 360	4.13 4.20 4.26	[334.1] 1.5973 1.6014 1.6085 1.6154	1193.2 1198.8 1204.4	4.09 4.16 4.22	[334.8] 1.5965 1.6002 1.6073 1.6142	1192.9 1198.6 1204.2	4.05 4.12 4.18	[335.5] 1.5957 1.5990 1.6060 1.6129	1192.7 1198.4 1204.0	4.01 4.08 4.14	[336.1] 1.5950 1.5977 1.6048 1.6117	1192.5 1198.2 1203.8
340 350 360 370 380	4.13 4.20 4.26 4.33 4.39 4.46	[334-1] 1.5973 1.6014 1.6085 1.6154 1.6221 1.6287 1.6351 1.6414	1193.2 1198.8 1204.4 1210.0 1215.5	4.09 4.16 4.22 4.29 4.35	1.5965 1.6002 1.6073 1.6142 1.6209 1.6275 1.6339 1.6403	1192.9 1198.6 1204.2 1209.8 1215.3	4.05 4.12 4.18 4.25 4.31	[335.5] 1.5957 1.5990 1.6060 1.6129 1.6197 1.6263 1.6327 1.6391	1192.7 1198.4 1204.0 1209.6 1215.1	4.01 4.08 4.14 4.21 4.27 4.33	[336.1] 1.5950 1.5977 1.6048 1.6117 1.6185 1.6252 1.6316 1.6379	1192.5 1198.2 1203.8 1209.4 1214.9 1220.4
340 350 360 370 380 390 400 410	4.13 4.20 4.26 4.33 4.39 4.46 4.52 4.59	[334.1] 1.5973 1.6014 1.6085 1.6154 1.6221 1.6287 1.6351 1.6414 1.6476	1193.2 1198.8 1204.4 1210.0 1215.5 1220.9 1226.3 1231.7	4.09 4.16 4.22 4.29 4.35 4.42 4.48 4.54	1.5965 1.6002 1.6073 1.6142 1.6209 1.6275 1.6339 1.6403 1.6465	1192.9 1198.6 1204.2 1209.8 1215.3 1220.7	4.05 4.12 4.18 4.25 4.31 4.37 4.44 4.50	[335.5] 1.5957 1.5990 1.6060 1.6129 1.6197 1.6263 1.6327 1.6391 1.6453	1192.7 1198.4 1204.0 1209.6 1215.1 1220.6 1231.4	4.01 4.08 4.14 4.21 4.27 4.33 4.39 4.46	[336.1] 1.5950 1.5977 1.6048 1.6117 1.6185 1.6252 1.6316 1.6379 1.6442	1192.5 1198.2 1203.8 1209.4 1214.9 1220.4 1225.8 1231.2
340 350 360 370 380 390 400 410 420	4.13 4.20 4.26 4.33 4.39 4.46 4.52 4.59 4.65	[334.1] 1.5973 1.6014 1.6085 1.6154 1.6221 1.6287 1.6351 1.6414 1.6476 1.6537	1193.2 1198.8 1204.4 1210.0 1215.5 1220.9 1226.3 1231.7 1237.0	4.09 4.16 4.22 4.29 4.35 4.42 4.48 4.54 4.60	[334.8] 1.5965 1.6002 1.6073 1.6142 1.6209 1.6275 1.6339 1.6403 1.6465 1.6526	1192.9 1198.6 1204.2 1209.8 1215.3 1220.7 1226.1 1231.5 1236.9	4.05 4.12 4.18 4.25 4.31 4.37 4.44 4.50 4.56	[335.5] 1.5957 1.5990 1.6060 1.6129 1.6263 1.6327 1.6391 1.6453 1.6514	1192.7 1198.4 1204.0 1209.6 1215.1 1220.6 1231.4 1236.7	4.01 4.08 4.14 4.21 4.27 4.33 4.39 4.46 4.52	[336.1] 1.5950 1.5977 1.6048 1.6117 1.6185 1.6252 1.6316 1.6379 1.6442 1.6503	1192.5 1198.2 1203.8 1209.4 1214.9 1220.4 1225.8 1231.2 1236.5
340 350 360 370 380 390 400 410	4.13 4.20 4.26 4.33 4.39 4.46 4.52 4.59	[334.1] 1.5973 1.6014 1.6085 1.6154 1.6221 1.6287 1.6351 1.6414 1.6476	1193.2 1198.8 1204.4 1210.0 1215.5 1220.9 1226.3 1231.7	4.09 4.16 4.22 4.29 4.35 4.42 4.48 4.54	1.5965 1.6002 1.6073 1.6142 1.6209 1.6275 1.6339 1.6403 1.6465	1192.9 1198.6 1204.2 1209.8 1215.3 1220.7	4.05 4.12 4.18 4.25 4.31 4.37 4.44 4.50	[335.5] 1.5957 1.5990 1.6060 1.6129 1.6197 1.6263 1.6327 1.6391 1.6453	1192.7 1198.4 1204.0 1209.6 1215.1 1220.6 1231.4	4.01 4.08 4.14 4.21 4.27 4.33 4.39 4.46	[336.1] 1.5950 1.5977 1.6048 1.6117 1.6185 1.6252 1.6316 1.6379 1.6442	1192.5 1198.2 1203.8 1209.4 1214.9 1220.4 1225.8 1231.2
340 360 370 380 390 410 420 430	4.13 4.20 4.26 4.33 4.39 4.46 4.52 4.59 4.65 4.71 4.77	[334-1] 1.5973 1.6014 1.6085 1.6154 1.6221 1.6287 1.6351 1.6414 1.6476 1.6537 1.65597 1.6656	1193.2 1198.8 1204.4 1210.0 1215.5 1220.9 1226.3 1231.7 1237.0 1242.3 1247.6	4.09 4.16 4.22 4.29 4.35 4.42 4.48 4.54 4.60 4.67 4.73	1.5965 1.6002 1.6073 1.6142 1.6209 1.6275 1.6339 1.6465 1.6526 1.6586 1.6645	1192.9 1198.6 1204.2 1209.8 1215.3 1220.7 1226.1 1231.5 1236.9 1242.2 1247.4	4.05 4.12 4.18 4.25 4.31 4.37 4.44 4.50 4.56 4.62 4.68	1.5957 1.5957 1.5990 1.6060 1.6129 1.6263 1.6327 1.6391 1.6453 1.6514 1.6574 1.6633	1192.7 1198.4 1204.0 1209.6 1215.1 1220.6 1231.4 1236.7 1242.0 1247.3	4.01 4.08 4.14 4.21 4.27 4.33 4.39 4.46 4.52 4.58 4.64	[336.1] 1.5950 1.5977 1.6048 1.6117 1.6185 1.6252 1.6316 1.6379 1.6442 1.6503 1.6563 1.6562	1192.5 1198.2 1203.8 1209.4 1214.9 1225.8 1231.2 1236.5 1241.9
340 360 370 380 390 410 420 430 440	4.13 4.20 4.26 4.33 4.39 4.46 4.52 4.59 4.65 4.71 4.77	[334.1] 1.5973 1.6014 1.6085 1.6154 1.6221 1.6287 1.6351 1.6414 1.6476 1.6537 1.6597	1193.2 1198.8 1204.4 1210.0 1215.5 1220.9 1226.3 1231.7 1237.0 1242.3	4.09 4.16 4.22 4.29 4.35 4.42 4.48 4.54 4.60 4.67	[334.8] 1.5965 1.6002 1.6073 1.6142 1.6209 1.6275 1.6339 1.6403 1.6465 1.6526 1.6586	1192.9 1198.6 1204.2 1209.8 1215.3 1220.7 1226.1 1231.5 1236.9 1242.2	4.05 4.12 4.18 4.25 4.31 4.37 4.44 4.50 4.56 4.62	[335.5] 1.5957 1.5990 1.6060 1.6129 1.6197 1.6263 1.6327 1.6391 1.6514 1.6574	1192.7 1198.4 1204.0 1209.6 1215.1 1220.6 1231.4 1236.7 1242.0	4.01 4.08 4.14 4.21 4.27 4.33 4.39 4.46 4.52 4.58	[336.1] 1.5950 1.5977 1.6048 1.6117 1.6185 1.6252 1.6379 1.6442 1.6503 1.6563 1.6662 1.6680 1.6737	1192.5 1198.2 1203.8 1209.4 1214.9 1220.4 1225.8 1231.2 1236.5 1241.9 1247.1
340 350 360 370 380 390 410 420 430 440 460 460 470	4.13 4.20 4.26 4.33 4.39 4.46 4.52 4.59 4.65 4.71 4.77 4.83 4.96	[334.1] 1.5973 1.6014 1.6085 1.6154 1.6221 1.6287 1.6351 1.6414 1.6476 1.6537 1.6566	1193.2 1198.8 1204.4 1210.0 1215.5 1220.9 1226.3 1231.7 1237.0 1247.6 1252.8 1258.0 1263.2	4.09 4.16 4.22 4.35 4.42 4.48 4.54 4.60 4.67 4.73 4.79 4.85	1.5965 1.6002 1.6073 1.6142 1.6209 1.6275 1.6339 1.6465 1.6586 1.6586 1.6703 1.6703 1.6703	1192.9 1198.6 1204.2 1209.8 1215.3 1220.7 1226.1 1231.5 1236.9 1242.2 1247.4 1252.7 1257.9 1263.1	4.05 4.12 4.18 4.25 4.31 4.37 4.44 4.50 4.62 4.68 4.74 4.80 4.86	1.5957 1.5990 1.6060 1.6129 1.6197 1.6263 1.6327 1.6327 1.6453 1.6514 1.6574 1.6633	1192.7 1198.4 1204.0 1209.6 1215.1 1220.6 1231.4 1236.7 1247.3 1252.5 1257.7 1262.9	4.01 4.08 4.14 4.21 4.27 4.33 4.39 4.46 4.52 4.58 4.64 4.70 4.76 4.82	[336.1] 1.5950 1.5977 1.6048 1.6117 1.6185 1.6252 1.6316 1.6379 1.6442 1.6563 1.6563 1.6563 1.6737 1.6794	1192.5 1198.2 1203.8 1209.4 1214.9 1220.4 1225.8 1231.2 1236.5 1241.9 1247.1 1252.4 1257.6 1262.8
340 350 360 370 380 390 410 420 430 440 460 460 470 480	4.13 4.20 4.26 4.33 4.39 4.46 4.52 4.59 4.65 4.71 4.77 4.83 4.89 5.02	[334.1] 1.5973 1.6014 1.6085 1.6154 1.6221 1.6287 1.6351 1.6414 1.6476 1.6537 1.6597 1.6656	1193.2 1198.8 1204.4 1210.0 1215.5 1220.9 1226.3 1231.7 1237.0 1242.3 1242.3 1242.3 1258.0 1258.0 1268.3	4.09 4.16 4.22 4.29 4.35 4.42 4.48 4.54 4.60 4.67 4.73 4.79 4.85 4.91 4.97	1.5965 1.6002 1.6073 1.6142 1.6209 1.6275 1.6339 1.6465 1.6526 1.6526 1.6645 1.6763 1.6763 1.6763	1192.9 1198.6 1204.2 1209.8 1215.3 1220.7 1226.1 1231.5 1236.9 1242.2 1247.4 1252.7 1257.9 1268.2	4.05 4.12 4.18 4.25 4.31 4.37 4.44 4.50 4.62 4.68 4.74 4.80 4.86 4.92	[335.5] 1.5957 1.5990 1.6060 1.6129 1.6263 1.6327 1.6391 1.6453 1.6514 1.6574 1.6633 1.6691 1.6748 1.6860 1.6860	1192.7 1198.4 1204.0 1209.6 1215.1 1220.6 1231.4 1236.7 1242.0 1242.0 1247.3 1252.5 1257.7 1262.9 1268.1	4.01 4.08 4.14 4.21 4.27 4.33 4.39 4.46 4.58 4.64 4.70 4.76 4.82 4.88	[336.1] 1.5950 1.5977 1.6048 1.6117 1.6185 1.6252 1.6316 1.6379 1.6442 1.6503 1.6563 1.6662 1.6794 1.6794 1.6849	1192.5 1198.2 1203.8 1209.4 1214.9 1220.4 1225.8 1231.2 1236.5 1241.9 1227.4 1252.4 1252.6 1262.8 1268.0
340 350 350 370 380 390 400 410 420 430 440 460 470 480 490	4.13 4.20 4.26 4.33 4.39 4.46 4.52 4.59 4.65 4.71 4.77 4.83 4.96	[334.1] 1.5973 1.6014 1.6085 1.6154 1.6221 1.6287 1.6351 1.6414 1.6476 1.6556 1.6714 1.6771 1.6827 1.6882 1.6936	1193.2 1198.8 1204.4 1210.0 1215.5 1220.9 1226.3 1231.7 1242.3 1247.6 1252.8 1258.0 1263.2 1268.3 1273.5	4.09 4.16 4.22 4.35 4.42 4.48 4.54 4.60 4.67 4.73 4.79 4.85	1.5965 1.6002 1.6073 1.6142 1.6209 1.6275 1.6339 1.6465 1.6586 1.6586 1.6703 1.6760 1.6816 1.6871 1.6925	1192.9 1198.6 1204.2 1209.8 1215.3 1220.7 1226.1 1231.5 1236.9 1242.2 1247.4 1252.7 1263.1 1268.2 1273.4	4.05 4.12 4.18 4.25 4.31 4.37 4.44 4.50 4.62 4.68 4.74 4.80 4.86	1.5957 1.5990 1.6060 1.6129 1.6197 1.6263 1.6327 1.6327 1.6453 1.6514 1.6574 1.6633	1192.7 1198.4 1204.0 1209.6 1215.1 1220.6 1231.4 1236.7 1247.3 1252.5 1257.7 1262.9	4.01 4.08 4.14 4.21 4.27 4.33 4.39 4.46 4.52 4.58 4.64 4.70 4.76 4.82	[336.1] 1.5950 1.5977 1.6048 1.6117 1.6185 1.6252 1.6316 1.6379 1.6442 1.6563 1.6563 1.6563 1.6737 1.6794	1192.5 1198.2 1203.8 1209.4 1214.9 1220.4 1225.8 1231.2 1236.5 1241.9 1247.1 1252.4 1262.8 1268.0 1273.1
340 350 3370 380 390 410 420 440 450 460 470 480 490	4.13 4.20 4.26 4.33 4.39 4.46 4.52 4.59 4.65 4.71 4.77 4.83 4.96 5.02 5.08	[334.1] 1.5973 1.6014 1.6085 1.6154 1.6221 1.6287 1.6351 1.6476 1.6597 1.6597 1.6566	1193.2 1198.8 1204.4 1210.0 1215.5 1220.9 1226.3 1231.7 1237.0 1247.6 1252.8 1258.0 1263.2 1268.3 1273.5	4.09 4.16 4.22 4.29 4.35 4.42 4.48 4.54 4.60 4.67 4.73 4.79 4.85 4.91 4.97 5.03	1.5965 1.6002 1.6073 1.6142 1.6209 1.6275 1.6339 1.6463 1.6566 1.6586 1.6760 1.6760 1.6871 1.6925 1.6925	1192.9 1198.6 1204.2 1209.8 1215.3 1220.7 1226.1 1231.5 1236.9 1242.2 1247.4 1252.7 1263.1 1268.2 1273.4	4.05 4.12 4.18 4.25 4.31 4.37 4.44 4.50 4.62 4.68 4.74 4.80 4.86 4.92 4.98 5.04	1.5957 1.5990 1.6060 1.6129 1.6197 1.6263 1.6327 1.6391 1.6514 1.6574 1.6574 1.6691 1.6748 1.6805 1.6806	1192.7 1198.4 1204.0 1209.6 1215.1 1220.6 1231.4 1236.7 1242.0 1247.3 1252.5 1257.7 1262.9 1268.1 1273.3	4.01 4.08 4.14 4.21 4.27 4.33 4.39 4.46 4.52 4.58 4.64 4.70 4.82 4.88 4.94 4.99	[336.1] 1.5950 1.5977 1.6048 1.6117 1.6185 1.6252 1.6316 1.6503 1.6563 1.6563 1.6737 1.6794 1.6849 1.6903	1192.5 1198.2 1203.8 1209.4 1214.9 1220.4 1225.8 1231.2 1247.1 1252.4 1257.6 1262.8 1268.0 1273.1
340 350 360 370 380 390 410 420 430 440 450 460 470 480 490 550	4.13 4.20 4.26 4.33 4.39 4.46 4.52 4.59 4.65 4.71 4.77 4.83 4.89 5.02 5.08	[334.1] 1.5973 1.6014 1.6085 1.6154 1.6221 1.6287 1.6351 1.6414 1.6476 1.6537 1.6557 1.6656 1.6714 1.6771 1.6827 1.6882 1.6936 1.6990 1.7248	1193.2 1198.8 1204.4 1210.0 1215.5 1220.9 1226.3 1231.7 1247.6 1252.8 1258.0 1268.3 1273.5 1278.6 1304.0	4.09 4.16 4.22 4.29 4.35 4.42 4.48 4.54 4.67 4.73 4.79 4.85 4.91 4.97 5.03	1.5965 1.6002 1.6002 1.6073 1.6142 1.6209 1.6275 1.6339 1.6465 1.6586 1.6586 1.6703 1.6703 1.6703 1.6816 1.6871 1.6925 1.6979 1.7237	1192.9 1198.6 1204.2 1209.8 1215.3 1220.7 1226.1 1231.5 1236.9 1247.4 1252.7 1257.9 1268.2 1273.4 1278.5 1303.9	4.05 4.12 4.18 4.25 4.31 4.37 4.44 4.50 4.62 4.68 4.74 4.80 4.86 4.92 4.98 5.04 5.33	1.5957 1.5990 1.6060 1.6129 1.6197 1.6263 1.6327 1.6327 1.6453 1.6514 1.6574 1.6691 1.6748 1.6805 1.6806 1.6914	1192.7 1198.4 1204.0 1209.6 1215.1 1220.6 1231.4 1236.7 1242.0 1247.3 1252.5 1257.7 1262.9 1268.1 1273.3 1278.4 1303.8	4.01 4.08 4.14 4.21 4.27 4.33 4.39 4.46 4.58 4.64 4.70 4.76 4.88 4.94 4.99 5.28	[336.1] 1.5950 1.5977 1.6048 1.6117 1.6185 1.6252 1.6316 1.6379 1.6442 1.6563 1.6563 1.6563 1.6563 1.65630 1.6794 1.6849 1.6903	1192.5 1198.2 1203.8 1209.4 1214.9 1220.4 1225.8 1231.2 1236.5 1241.9 1257.6 1268.0 1273.1 1278.3 1303.7
340 350 360 370 380 390 410 410 430 440 450 450 490 550 550 600	4.13 4.20 4.26 4.33 4.39 4.46 4.59 4.65 4.71 4.83 4.89 4.96 5.02 5.08 5.14 5.43 5.72	[334.1] 1.5973 1.6014 1.6085 1.6154 1.6221 1.6287 1.6351 1.6414 1.6476 1.6537 1.6597 1.66582 1.6714 1.6771 1.6882 1.6936	1193.2 1198.8 1204.4 1210.0 1215.5 1220.9 1226.3 1231.7 1237.0 1242.3 1242.7 1252.8 1258.0 1268.3 1273.5 1278.6 1304.0 1329.2	4.09 4.16 4.22 4.29 4.35 4.42 4.48 4.54 4.60 4.67 4.73 4.79 4.85 4.97 5.03 5.09 5.38 5.67	1.5965 1.6002 1.6073 1.6142 1.6209 1.6275 1.6339 1.6465 1.6526 1.6526 1.6526 1.6526 1.6566 1.6665 1.6703 1.6760 1.6871 1.6925 1.6979 1.7237 1.7481	1192.9 1198.6 1204.2 1209.8 1215.3 1220.7 1226.1 1231.5 1236.9 1242.2 1247.4 1252.7 1257.9 1268.2 1273.4 1278.5 1303.9 1329.1	4.05 4.12 4.18 4.25 4.31 4.37 4.44 4.50 4.56 4.62 4.68 4.74 4.80 4.92 4.98 5.04 5.33 5.62	1.5957 1.5990 1.6060 1.6129 1.6197 1.6263 1.6327 1.6453 1.6514 1.6574 1.6633 1.6860 1.6805 1.6860 1.6914	1192.7 1198.4 1204.0 1209.6 1215.1 1220.6 1231.4 1236.7 1242.0 1242.7 1257.7 1262.9 1268.1 1273.3 1278.4 1303.8 1329.0	4.01 4.08 4.14 4.21 4.27 4.33 4.39 4.46 4.52 4.58 4.64 4.70 4.76 4.88 4.94 4.99 5.28 5.56	1.5950 1.5977 1.6048 1.6117 1.6185 1.6252 1.6316 1.6379 1.6442 1.6503 1.6563 1.6563 1.65649 1.6993 1.6993	1192.5 1198.2 1203.8 1209.4 1214.9 1220.4 1225.8 1231.2 1236.5 1241.9 1252.4 1257.6 1262.8 1268.0 1273.1
340 350 370 380 390 410 420 430 440 450 450 450 550	4.13 4.20 4.26 4.33 4.39 4.46 4.52 4.59 4.65 4.71 4.77 4.83 4.89 5.02 5.08	[334.1] 1.5973 1.6014 1.6085 1.6154 1.6221 1.6287 1.6351 1.6414 1.6476 1.6537 1.6565 1.6714 1.6771 1.6827 1.6882 1.6936 1.6936	1193.2 1198.8 1204.4 1210.0 1215.5 1220.9 1226.3 1231.7 1247.6 1252.8 1258.0 1268.3 1273.5 1278.6 1304.0	4.09 4.16 4.22 4.29 4.35 4.42 4.48 4.54 4.67 4.73 4.79 4.85 4.91 4.97 5.03	1.5965 1.6002 1.6002 1.6073 1.6142 1.6209 1.6275 1.6339 1.6465 1.6586 1.6586 1.6703 1.6703 1.6703 1.6816 1.6871 1.6925 1.6979 1.7237	1192.9 1198.6 1204.2 1209.8 1215.3 1220.7 1226.1 1231.5 1236.9 1247.4 1252.7 1257.9 1268.2 1273.4 1278.5 1303.9	4.05 4.12 4.18 4.25 4.31 4.37 4.44 4.50 4.62 4.68 4.74 4.80 4.86 4.92 4.98 5.04 5.33	1.5957 1.5990 1.6060 1.6129 1.6197 1.6263 1.6327 1.6327 1.6453 1.6514 1.6574 1.6691 1.6748 1.6805 1.6806 1.6914	1192.7 1198.4 1204.0 1209.6 1215.1 1220.6 1231.4 1236.7 1242.0 1242.7 1257.7 1262.9 1268.1 1273.3 1278.4 1303.8 1329.0	4.01 4.08 4.14 4.21 4.27 4.33 4.39 4.46 4.58 4.64 4.70 4.76 4.88 4.94 4.99 5.28	[336.1] 1.5950 1.5977 1.6048 1.6117 1.6185 1.6252 1.6316 1.6379 1.6442 1.6563 1.6563 1.6563 1.6563 1.65630 1.6794 1.6849 1.6903	1192.5 1198.2 1203.8 1209.4 1214.9 1220.4 1225.8 1231.2 1236.5 1241.9 1247.1 1252.4 1268.0 1273.1 1278.3 1303.7
340 350 370 380 390 410 420 440 450 450 490 500 650 700	4.13 4.20 4.26 4.33 4.39 4.46 4.52 4.59 4.65 4.71 4.77 4.83 4.89 5.02 5.08 5.14 5.43 5.72 6.01 6.29	[334.1] 1.5973 1.6014 1.6085 1.6154 1.6221 1.6287 1.6351 1.6414 1.6476 1.6537 1.6557 1.6565 1.6714 1.6771 1.6827 1.6882 1.6936 1.6990 1.7248 1.7492 1.7723 1.7943	1193.2 1198.8 1204.4 1210.0 1215.5 1220.9 1226.3 1237.0 1247.6 1252.8 1252.8 1268.3 1273.5 1278.6 1304.0 1329.2 1354.3 1379.3	4.09 4.16 4.22 4.29 4.35 4.42 4.48 4.54 4.67 4.73 4.79 4.85 4.97 5.03 5.09 5.38 5.67 5.95 6.23	1.5965 1.6002 1.6073 1.6142 1.6209 1.6275 1.6339 1.6465 1.6526 1.7537 1.7481 1.7712 1.7933	1192.9 1198.6 1204.2 1209.8 1215.3 1220.7 1226.1 1231.5 1236.9 1242.2 1247.4 1252.7 1268.2 1273.4 1278.5 1303.9 1329.1 1354.2 1379.2	4.05 4.12 4.18 4.25 4.31 4.37 4.44 4.50 4.62 4.68 4.74 4.80 4.86 4.92 4.98 5.04 5.33 5.62 5.90 6.18	1.5957 1.5990 1.6060 1.6129 1.6197 1.6263 1.6327 1.6391 1.6453 1.6514 1.6574 1.6691 1.6748 1.6805 1.6806 1.6914 1.6968 1.7226 1.7470 1.7702 1.7923	1192.7 1198.4 1204.0 1209.6 1215.1 1220.6 1236.7 1247.3 1252.5 1257.7 1262.9 1268.1 1273.3 1278.4 1303.8 1329.0 1354.1 1379.2	4.01 4.08 4.14 4.21 4.27 4.33 4.39 4.46 4.52 4.58 4.64 4.70 4.76 4.82 4.88 4.94 4.99 5.28 5.56 5.84 6.12	[336.1] 1.5950 1.5977 1.6048 1.6117 1.6185 1.6252 1.6316 1.6379 1.6442 1.6563 1.6563 1.6563 1.6794 1.6849 1.6903 1.6957 1.7216 1.7460 1.7912	1192.5 1198.2 1203.8 1209.4 1214.9 1220.4 1225.8 1231.2 1236.5 1241.9 1247.1 1252.4 1268.0 1273.1 1278.3 1303.7 1329.0 1354.1 1379.1
340 350 360 370 380 390 410 420 440 450 450 450 500 500 650	4.13 4.20 4.26 4.33 4.39 4.46 4.52 4.59 4.65 4.71 4.77 4.83 4.89 5.02 5.08 5.14 5.43 5.72 6.01	1.5973 1.6014 1.6085 1.6154 1.6221 1.6287 1.6351 1.6414 1.6476 1.6537 1.6597 1.6656 1.6714 1.6771 1.6827 1.6882 1.6936 1.7248 1.7723 1.7943 1.8155 1.8359	1193.2 1198.8 1204.4 1210.0 1215.5 1220.9 1226.3 1231.7 1237.0 1242.3 1247.6 1252.8 1258.0 1263.2 1268.3 1273.5 1278.6 1304.0 1329.2 1354.3	4.09 4.16 4.22 4.29 4.35 4.42 4.48 4.54 4.60 4.67 4.73 4.79 4.85 4.97 5.03 5.09 5.38 5.67 5.95	1.5965 1.6002 1.6073 1.6142 1.6209 1.6275 1.6339 1.6465 1.6526 1.6586 1.6645 1.6760 1.6871 1.6979 1.7237 1.7481 1.7712	1192.9 1198.6 1204.2 1209.8 1215.3 1220.7 1226.1 1231.5 1236.9 1242.2 1247.4 1252.7 1263.1 1268.2 1273.4 1278.5 1303.9 1329.1 1354.2	4.05 4.12 4.18 4.25 4.31 4.37 4.44 4.50 4.56 4.62 4.68 4.74 4.80 4.80 4.92 4.98 5.04 5.33 5.62 5.90	[335.5] 1.5957 1.5990 1.6060 1.6129 1.6197 1.6263 1.6327 1.6391 1.6453 1.6574 1.6633 1.6691 1.6748 1.6860 1.6968 1.7266 1.7270	1192.7 1198.4 1204.0 1209.6 1215.1 1220.6 1231.4 1236.7 1242.0 1247.3 1252.5 1257.7 1262.9 1268.1 1273.3 1278.4 1303.8 1329.0 1354.1	4.01 4.08 4.14 4.21 4.27 4.33 4.39 4.46 4.52 4.58 4.64 4.70 4.76 4.82 4.88 4.94 4.99 5.28 5.56 5.84	1.5950 1.5977 1.6048 1.6117 1.6185 1.6252 1.6316 1.6379 1.6442 1.6503 1.6662 1.6680 1.6737 1.6794 1.6849 1.6957 1.7216 1.7460 1.7460	1192.5 1198.2 1203.8 1209.4 1214.9 1220.4 1225.8 1231.2 1236.5 1241.9 1247.1 1252.4 1257.6 1262.8 1263.8 1273.1 1278.3 1303.7 1329.0 1354.1
340 350 350 370 380 390 410 420 430 440 450 470 480 490 550 650 700 750 850 850	4.13 4.20 4.26 4.33 4.39 4.46 4.52 4.65 4.71 4.77 4.83 4.96 5.02 5.08 5.14 5.43 5.72 6.01 6.29 6.57 6.85 7.13	1.5973 1.6014 1.6085 1.6154 1.6221 1.6287 1.6351 1.6414 1.6476 1.6557 1.65656 1.6714 1.6771 1.6827 1.6882 1.6936 1.7248 1.7723 1.7943 1.7943 1.8155 1.8359 1.8557	1193.2 1198.8 1204.4 1210.0 1215.5 1220.9 1226.3 1231.7 1237.0 1242.3 1247.6 1252.8 1258.0 1263.2 1268.3 1273.5 1278.6 1304.0 1329.2 1354.3 1379.3 1404.4 1429.6 1454.9	4.09 4.16 4.22 4.29 4.35 4.42 4.48 4.54 4.60 4.67 4.73 4.79 4.85 4.97 5.03 5.09 5.38 5.67 6.23 6.51 6.79 7.07	1.5965 1.6002 1.6073 1.6142 1.6209 1.6275 1.6339 1.6463 1.6526 1.6526 1.6526 1.6586 1.6760 1.6871 1.6925 1.6925 1.712 1.7933 1.8145 1.8349 1.8546	1192.9 1198.6 1204.2 1209.8 1215.3 1220.7 1226.1 1231.5 1236.9 1242.2 1247.4 1252.7 1268.2 1273.4 1278.5 1303.9 1354.2 1379.2 1404.3 1429.5 1454.9	4.05 4.12 4.18 4.25 4.31 4.37 4.44 4.56 4.62 4.68 4.74 4.86 4.86 4.92 4.98 5.04 5.33 5.62 5.90 6.18 6.45 6.73 7.00	1.5957 1.5990 1.6060 1.6129 1.6197 1.6263 1.6321 1.6391 1.6574 1.6633 1.6574 1.6691 1.6748 1.6805 1.6914 1.6968 1.7226 1.7702 1.7923 1.8135 1.8339 1.8536	1192.7 1198.4 1204.0 1209.6 1215.1 1220.6 1231.4 1236.7 1242.0 1247.3 1252.5 1257.7 1262.9 1268.1 1273.3 1278.4 1303.8 1329.0 1354.1 1379.2 1404.3 1429.5 1454.8	4.01 4.08 4.14 4.21 4.27 4.33 4.39 4.45 4.52 4.58 4.64 4.76 4.82 4.88 4.94 4.99 5.28 5.58 6.12 6.40 6.67 6.94	1.5950 1.5977 1.6048 1.6117 1.6185 1.6379 1.6379 1.6503 1.6503 1.6573 1.6737 1.6794 1.6849 1.6903 1.6903 1.6957 1.7216 1.7912 1.8125 1.8329 1.8325	1192.5 1198.2 1203.8 1209.4 1214.9 1220.4 1225.8 1231.2 1236.5 1247.1 1252.4 1257.6 1262.8 1268.0 1273.1 1278.3 1303.7 1329.0 1359.1 1379.1 1404.2 1429.5 1454.8
340 350 360 370 380 390 410 420 430 440 450 470 480 490 550 650 700 750 800	4.13 4.20 4.26 4.33 4.39 4.46 4.59 4.65 4.71 4.83 4.89 4.96 5.02 5.08 5.14 5.43 5.72 6.01 6.29 6.57 6.85	1.5973 1.6014 1.6085 1.6154 1.6221 1.6287 1.6351 1.6414 1.6476 1.6537 1.6597 1.6656 1.6714 1.6771 1.6827 1.6882 1.6936 1.7248 1.7723 1.7943 1.8155 1.8359	1193.2 1198.8 1204.4 1210.0 1215.5 1220.9 1226.3 1231.7 1237.0 1242.3 1247.6 1252.8 1258.0 1268.3 1273.5 1278.6 1304.0 1329.2 1354.3 1379.3 1404.4 1429.6	4.09 4.16 4.22 4.29 4.35 4.42 4.48 4.54 4.60 4.67 4.73 4.79 4.85 4.91 4.97 5.03 5.09 5.38 5.67 5.95 6.23 6.51 6.79	1.5965 1.6002 1.6073 1.6142 1.6209 1.6275 1.6339 1.6465 1.6526 1.6586 1.6586 1.6645 1.6703 1.6760 1.6871 1.6925 1.6979 1.7237 1.7481 1.7712 1.7933 1.8145 1.8349	1192.9 1198.6 1204.2 1209.8 1215.3 1220.7 1226.1 1231.5 1236.9 1247.4 1252.7 1257.9 1268.2 1273.4 1278.5 1303.9 1329.1 1354.2 1379.2 1404.3 1429.5	4.05 4.12 4.18 4.25 4.31 4.37 4.44 4.56 4.62 4.68 4.74 4.86 4.86 4.92 4.98 5.04 5.33 5.62 5.90 6.18 6.45 6.73 7.00	[335.5] 1.5957 1.5990 1.6060 1.6129 1.6197 1.6263 1.6327 1.6391 1.6453 1.6574 1.6633 1.6574 1.6691 1.6968 1.7226 1.7470 1.7702 1.7923 1.8135 1.8339	1192.7 1198.4 1204.0 1209.6 1215.1 1220.6 1231.4 1236.7 1242.0 1247.3 1252.5 1257.7 1262.9 1268.1 1273.3 1278.4 1303.8 1329.0 1354.1 1379.2	4.01 4.08 4.14 4.21 4.27 4.33 4.39 4.46 4.52 4.58 4.64 4.70 4.76 4.88 4.94 4.99 5.28 5.56 5.84 6.12 6.67	1.5950 1.5977 1.6048 1.6117 1.6185 1.6252 1.6316 1.6379 1.6442 1.6503 1.6563 1.6563 1.6680 1.6737 1.6794 1.6890 1.7216 1.7460 1.7460 1.7691 1.7912 1.8125 1.8329	1192.5 1198.2 1203.8 1209.4 1214.9 1220.4 1225.8 1231.2 1236.5 1241.9 1252.4 1257.6 1262.8 1268.0 1273.1 1278.3 1303.7 1329.0 1354.1 1379.1 1404.2 1429.5

Pres- sure		113 [336.8]		1	114 [337.4]			115 [338.1]			116 [338.7]	
Temp F.	•		i	▼		i	٧		i	v		i
Sat.	3.95	1.5943	1190.4	3.92	1.5935	1190.6	3.89	1.5928	1190.7	3.86	1.5921	1190.8
340	3.98	1.5965	1192.2	3.94	1.5953	1192.0	3.90	1.5941	1191.8	3.87	1.5929	1191.6
350	4.04	1.6036	1197.9	4.00	1.6024	1197.7	3.97	1.6012	1197.5	3.93	1.6000	1197.3
360	4.10	1.6105	1203.6	4.07	1.6094	1203.4	4.03	1.6082	1203.2	3.99	1.6070	1203.0
370	4.17	1.6173	1209.2	4.13	1.6162	1209.0	4.09	1.6150	1208.8	4.05	1.6138	1208.6
380	4.23	1.6240	1214.7	4.19	1.6228	1214.5	4.15	1.6217	1214.3	4.11	1.6205	1214.2
390	4.29	1.6305	1220.2	4.25	1.6293	1220.0	4.21	1.6282	1219.8	4.18	1.6270	1219.7
400	4.35	1.6368	1225.6	4.31	1.6357	1225.5	4.27	1.6346	1225.3	4.24	1.6334	1225.1
410	4.42	1.6431	1231.0	4.38	1.6419	1230.9	4-34	1.6408	1230.7	4.30	1.6397	1230.5
420	4.48	1.6492	1236.4	4.44	1.6481	1236.2	4.40	1.6470	1236.1	4.36	1.6459	1235.9
430 440	4·54 4.60	1.6552	1241.7 1247.0	4.50 4.56	1.6541	1241.6	4.46 4.52	1.6530	1241.4	4.42 4.47	1.6519	1241.3
450	4.66	1.6669	1252.3	4.62	1.6658	1252.1	4.57	1.6647	1252.0	4.53	1.6636	1251.9
460	4.72	1.6726	1257.5	4.67	1.6715	1257.4	4.63	1.6704	1257.2	4.59	1.6694	1257.1
470 480	4·77 4·83	1.6783	1262.7	4.73	1.6772	1262.6	4.69	1.6761	1262.4	4.65	1.6750	1262.3
490	4.89	1.6893	1273.0	4.79 4.85	1.6882	1272.9	4.75 4.80	1.6871	1272.8	4.70 4.76	1.6861	1267.5
500	4.95	1.6947	1278.2	4.91	1.6936	1278-1	4.86	1.6925	1278.0	4.82	1.6914	1277.9
550	4·95 5·23	1.7205	1303.7	5.19	1.7195	1303.6	5.14	1.7184	1303.5	5.10	1.7174	1303.4
600	5.51	1.7449	1328.9	5.47	1.7439	1328.8	5.42	1.7429	1328.8	5.37	1.7419	1328.7
650	5.79	1.7681	1354.0	5.74	1.7671	1354.0	5.69	1.7661	1353.9	5.64	1.7651	1353.8
700	6.07	1.7902	1379.1	6.01	1.7892	1379.0	5.96	1.7882	1379.0	5.91	1.7872	1378.9
750	6.34	1.8115	1404.2	6.28	1.8104	1404.2	6.23	1.8094	1404.1	6.17	1.8084	1404.1
800	6.61	1.8319	1429.4	6.55	1.8368	1429.4	6.49	1.8298	1429.4	6.44	1.8289	1429.3
850	6.88	1.8516	1454.8	6.82	1.8506	1454.8	6.76	1.8496	1454.8	6.70	1.8487	1454.7
900	7.14	1.8707	1480.3	7.08	1.8698	1480.3	7.02	1.8688	1480.3	6.96	1.8678	1480.2
		1	140013	,,,,,		1 - 400.3	/	12.000	1400.3	1 0.30	1.00/0	
		117 [339-4]	1400.3		118 [340.0]	1400.3	/	119 [340.6]	1400.3	0.30	120 [341.3]	
Sat.	3.83	117	1191.0	3.80	118	1191.1	3.77	119	1191.2	3.74	120	1191.4
Sat.		117 [339.4] 1.5914	1191.0	3.80	118 [340.0] 1.5907	1191.1	3.77	119 [340.6]	1191.2	3.74	120 [341.3] 1.5893	1191.4
Sat. 350	3.89	117 [339-4] 1.5914 1.5989	1191.0	3.80 3.86	118 [340.0] 1.5907 1.5977	1191.1	3.77	119 [340.6] 1.5900 1.5966	1191.2	3.74	120 [341.3] 1.5893 1.5955	1191.4
Sat. 350	3.89 3.96	117 [339-4] 1.5914 1.5989 1.6059	1191.0	3.80 3.86 3.92	118 [340.0] I.5907 I.5977 I.6047	1191.1	3·77 3.82 3.88	119 [340.6] 1.5900 1.5966 1.6036	1191.2 1196.6 1202.3	3·74 3·79 3.85	120 [341-3] 1.5893 1.5955 1.6025	1191.4 1196.4 1202.1
Sat. 350	3.89	117 [339-4] 1.5914 1.5989 1.6059 1.6127 1.6194	1191.0	3.80 3.86	118 [340.0] 1.5907 1.5977	1191.1	3.77	119 [340.6] 1.5900 1.5966	1191.2	3.74	120 [341.3] 1.5893 1.5955	1191.4
Sat. 350 360 370	3.89 3.96 4.02	117 [339-4] 1.5914 1.5989 1.6059 1.6127	1191.0 1197.1 1202.8 1208.4	3.80 3.86 3.92 3.98	118 [340.0] 1.5907 1.5977 1.6047 1.6116	1191.1 1196.9 1202.6 1208.2	3.77 3.82 3.88 3.95	119 [340.6] 1.5900 1.5966 1.6036 1.6105	1191.2 1196.6 1202.3 1208.0	3·74 3·79 3.85 3.91	120 [341.3] 1.5893 1.5955 1.6025 1.6094	1191.4 1196.4 1202.1 1207.8
Sat. 350 360 370 380	3.89 3.96 4.02 4.08	117 [339-4] 1.5914 1.5989 1.6059 1.6127 1.6194	1191.0 1197.1 1202.8 1208.4 1214.0	3.80 3.86 3.92 3.98 4.04	118 [340.0] 1.5907 1.5977 1.6047 1.6116 1.6183	1191.1 1196.9 1202.6 1208.2 1213.8	3.77 3.82 3.88 3.95 4.01	119 [340.6] 1.5900 1.5966 1.6036 1.6105 1.6172	1191.2 1196.6 1202.3 1208.0 1213.6	3·74 3·79 3·85 3·91 3·97	120 [341-3] 1.5893 1.5955 1.6025 1.6094 •.6161	1191.4 1196.4 1202.1 1207.8 1213.4
Sat. 350 360 370 380 390 400 410	3.89 3.96 4.02 4.08 4.14 4.20 4.26	117 [339-4] 1.5914 1.5989 1.6059 1.6127 1.6194 1.6259 1.6323 1.6386	1191.0 1197.1 1202.8 1208.4 1214.0 1219.5 1225.0 1230.4	3.80 3.86 3.92 3.98 4.04 4.10 4.16 4.22	118 [340.0] 1.5907 1.5977 1.6047 1.6116 1.6183 1.6248 1.6312 1.6375	1191.1 1196.9 1202.6 1208.2 1213.8 1219.3 1224.8 1230.2	3.77 3.82 3.88 3.95 4.01 4.07 4.12 4.18	119 [340.6] 1.5900 1.5966 1.6036 1.6105 1.6172 1.6237 1.6301 1.6364	1191.2 1196.6 1202.3 1208.0 1213.6 1219.1 1224.6 1230.0	3.74 3.79 3.85 3.91 3.97 4.03 4.09 4.15	120 [341.3] 1.5893 1.5955 1.6025 1.6094 4.6161 1.6226 1.6291 1.6354	1191.4 1196.4 1202.1 1207.8 1213.4 1218.9
Sat. 350 360 370 380 390 400 410 420	3.89 3.96 4.02 4.08 4.14 4.20 4.26 4.32	117 [339-4] 1.5914 1.5989 1.6059 1.6127 1.6194 1.6259 1.6323 1.6386 1.6448	1191.0 1197.1 1202.8 1208.4 1214.0 1219.5 1225.0 1235.8	3.80 3.86 3.92 3.98 4.04 4.10 4.16 4.22 4.28	118 [34-0] 1.5907 1.5977 1.6047 1.6116 1.6183 1.6248 1.6312 1.6375 1.6437	1191.1 1196.9 1202.6 1208.2 1213.8 1219.3 1224.8 1230.2 1235.6	3.77 3.82 3.88 3.95 4.01 4.07 4.12 4.18 4.24	119 [340.6] I.5900 I.5966 I.6036 I.6105 I.6172 I.6237 I.6301 I.6364 I.6426	1191.2 1196.6 1202.3 1208.0 1213.6 1219.1 1224.6 1330.0	3.74 3.79 3.85 3.91 3.97 4.03 4.09 4.15 4.21	120 [341.3] 1.5893 1.5955 1.6025 1.6094 4.6161 1.6226 1.6291 1.6354 1.6415	1191.4 1196.4 1202.1 1207.8 1213.4 1218.9 1224.4 1229.9 1235.3
Sat. 350 360 370 380 390 400 410 420 430	3.89 3.96 4.02 4.08 4.14 4.20 4.26 4.32 4.38	117 [339-4] 1.5914 1.5989 1.6059 1.6127 1.6194 1.6259 1.6328 1.6386 1.6448 1.6508	1191.0 1197.1 1202.8 1208.4 1214.0 1219.5 1225.0 1230.4 1235.8 1241.1	3.80 3.86 3.92 3.98 4.04 4.10 4.16 4.22 4.28 4.34	118 [340.0] 1.5907 1.5977 1.6047 1.6116 1.6183 1.6248 1.6312 1.6375 1.6437 1.6497	1191.1 1196.9 1202.6 1208.2 1213.8 1219.3 1224.8 1230.2 1235.6 1241.0	3.77 3.82 3.88 3.95 4.01 4.07 4.12 4.18 4.24 4.30	119 [340.6] 1.5900 1.5966 1.6036 1.6105 1.6172 1.6230 1.6301 1.6426 1.6426 1.6486	1191.2 1196.6 1202.3 1208.0 1213.6 1219.1 1224.6 1230.0 1235.4	3.74 3.79 3.85 3.91 3.97 4.03 4.09 4.15 4.21 4.26	120 [341.3] 1.5893 1.5955 1.6025 1.6094 €.6161 1.6229 1.6354 1.6415 1.6446	1191.4 1196.4 1202.1 1207.8 1213.4 1218.9 1224.4 1229.9 135.3 1240.7
Sat. 350 360 370 380 390 410 420 430 440	3.89 3.96 4.02 4.08 4.14 4.20 4.26 4.32 4.38 4.43	117 [339-4] 1.5914 1.5989 1.6059 1.6127 1.6194 1.6259 1.6323 1.6386 1.6448 1.6508	1191.0 1197.1 1202.8 1208.4 1214.0 1219.5 1225.0 1230.4 1335.8 1241.1 1246.4	3.80 3.86 3.92 3.98 4.04 4.10 4.16 4.22 4.28 4.34 4.40	118 [340.0] 1.5907 1.5977 1.6047 1.6116 1.6183 1.6248 1.6312 1.6375 1.6437 1.6497 1.6556	1191.1 1196.9 1202.6 1208.2 1213.8 1219.3 1224.8 1230.2 1235.6 1241.0	3.77 3.82 3.88 3.95 4.01 4.07 4.12 4.18 4.24 4.30	119 [340.6] 1.5900 1.5966 1.6036 1.6105 1.6172 1.6237 1.6301 1.6364 1.6426 1.6486 1.6546	1191.2 1196.6 1202.3 1208.0 1213.6 1219.1 1224.6 1230.0 1235.4 1240.8 1246.1	3.74 3.79 3.85 3.91 3.97 4.03 4.09 4.15 4.21	120 [341.3] 1.5893 1.5955 1.6025 1.6094 4.6161 1.6226 1.6291 1.6354 1.6415 1.6476 1.6536	1191.4 1196.4 1202.1 1207.8 1213.4 1218.9 1224.4 1229.9 1335.3 1240.7 1246.0
Sat. 350 360 370 380 390 400 410 420 430 440 440	3.89 3.96 4.02 4.08 4.14 4.20 4.26 4.32 4.38 4.43	117 [339-4] 1.5914 1.5989 1.6059 1.6127 1.6194 1.6259 1.6323 1.6386 1.6448 1.6508 1.6567	1191.0 1197.1 1202.8 1208.4 1214.0 1219.5 1225.0 1235.8 1241.1 1246.4	3.80 3.86 3.92 3.98 4.04 4.10 4.16 4.22 4.28 4.34 4.40	118 [340.0] I.5907 I.5977 I.6047 I.6183 I.6248 I.6312 I.6375 I.6437 I.6497 I.6556	1191.1 1196.9 1202.6 1208.2 1213.8 1219.3 1224.8 1230.2 1235.6 1241.0	3.77 3.82 3.88 3.95 4.01 4.07 4.12 4.18 4.24 4.30 4.36	119 [340.6] 1.5900 1.5966 1.6036 1.6152 1.6237 1.6364 1.6426 1.6486 1.6546	1191.2 1196.6 1202.3 1208.0 1213.6 1219.1 1224.6 1230.0 1235.4 1240.8 1246.1	3.74 3.79 3.85 3.91 3.97 4.03 4.09 4.15 4.21 4.26 4.32	120 [341.3] 1.5893 1.5955 1.6025 1.6025 1.6026 1.6291 1.6354 1.6415 1.6476 1.6536	1191.4 1196.4 1202.1 1207.8 1213.4 1218.9 1224.4 1229.9 1235.3 1240.7 1246.0
Sat. 350 360 370 380 390 400 410 420 430 440 450 460	3.89 3.96 4.02 4.08 4.14 4.20 4.26 4.32 4.38 4.43 4.43	117 [339-4] 1.5914 1.5989 1.6059 1.6127 1.6194 1.6259 1.6323 1.6386 1.6448 1.6508 1.6567	1191.0 1197.1 1202.8 1208.4 1214.0 1219.5 1225.0 1230.4 1235.8 1241.1 1246.4	3.80 3.86 3.92 3.98 4.04 4.10 4.16 4.22 4.28 4.34 4.40	118 [340.0] 1.5907 1.5977 1.6047 1.6116 1.6183 1.6248 1.6312 1.6375 1.6437 1.6497 1.6556	1191.1 1196.9 1202.6 1208.2 1213.8 1219.3 1224.8 1230.2 1241.0 1246.3	3.77 3.82 3.88 3.95 4.07 4.12 4.18 4.24 4.30 4.36	119 [340.6] 1.5900 1.5966 1.6036 1.6105 1.6172 1.6237 1.6301 1.6426 1.6426 1.6486 1.6546	1191.2 1196.6 1202.3 1208.0 1213.6 1219.1 1224.6 1230.0 1235.4 1240.8 1246.1	3.74 3.79 3.85 3.91 3.97 4.03 4.09 4.15 4.21 4.26 4.32 4.38	120 [341.3] 1.5893 1.5955 1.6025 1.6026 1.6226 1.6226 1.6291 1.6354 1.6415 1.6476 1.6536	1191.4 1196.4 1202.1 1207.8 1213.4 1218.9 1224.4 1229.9 1235.3 1240.7 1246.0
Sat. 350 360 370 380 390 410 420 430 440 450 460 470	3.89 3.96 4.02 4.08 4.14 4.20 4.26 4.32 4.38 4.43 4.43	117 [339-4] 1.5914 1.5989 1.6059 1.6127 1.6194 1.6259 1.6328 1.6386 1.6448 1.6508 1.6567	1191.0 1197.1 1202.8 1208.4 1214.0 1219.5 1225.0 1330.4 1235.8 1241.1 1246.4	3.80 3.86 3.92 3.98 4.04 4.10 4.16 4.22 4.28 4.34 4.40 4.45 4.51 4.57	118 [340.0] 1.5907 1.5977 1.6047 1.6116 1.6123 1.6248 1.6312 1.6375 1.6497 1.6556 1.6615 1.6672	1191.1 1196.9 1202.6 1208.2 1213.8 1219.3 1224.8 1230.6 1246.3 1251.6 1251.6 1256.8 1262.1	3.77 3.82 3.88 3.95 4.07 4.12 4.18 4.24 4.30 4.36 4.41 4.47 4.53	119 [340.6] 1.5900 1.5966 1.6036 1.6105 1.6172 1.6237 1.6301 1.63426 1.6426 1.6486 1.6546 1.6665 1.6605 1.6719	1191.2 1196.6 1202.3 1208.0 1213.6 1219.1 1224.6 1230.0 1235.4 1246.1	3.74 3.79 3.85 3.91 3.97 4.03 4.09 4.15 4.21 4.26 4.32 4.38 4.43 4.49	120 [341.3] 1.5893 1.5955 1.6025 1.6094 4.6161 1.6226 1.6291 1.6476 1.6476 1.6536	1191.4 1196.4 1202.1 1207.8 1213.4 1218.9 1224.4 1229.9 1235.9 1240.7 1246.0
Sat. 350 360 370 380 390 400 410 420 430 440 450 460	3.89 3.96 4.02 4.08 4.14 4.20 4.26 4.32 4.38 4.43 4.43	117 [339-4] 1.5914 1.5989 1.6059 1.6127 1.6194 1.6259 1.6323 1.6386 1.6448 1.6508 1.6567	1191.0 1197.1 1202.8 1208.4 1214.0 1219.5 1225.0 1230.4 1235.8 1241.1 1246.4	3.80 3.86 3.92 3.98 4.04 4.10 4.16 4.22 4.28 4.34 4.40	118 [340.0] 1.5907 1.5977 1.6047 1.6116 1.6183 1.6248 1.6312 1.6375 1.6437 1.6497 1.6556	1191.1 1196.9 1202.6 1208.2 1213.8 1219.3 1224.8 1230.2 1241.0 1246.3	3.77 3.82 3.88 3.95 4.07 4.12 4.18 4.24 4.30 4.36	119 [340.6] 1.5900 1.5966 1.6036 1.6105 1.6172 1.6237 1.6301 1.6426 1.6426 1.6486 1.6546	1191.2 1196.6 1202.3 1208.0 1213.6 1219.1 1224.6 1230.0 1235.4 1240.8 1246.1	3.74 3.79 3.85 3.91 3.97 4.03 4.09 4.15 4.21 4.26 4.32 4.38	120 [341.3] 1.5893 1.5955 1.6025 1.6026 1.6226 1.6226 1.6291 1.6354 1.6415 1.6476 1.6536	1191.4 1196.4 1202.1 1207.8 1213.4 1218.9 1224.4 1229.9 1235.3 1240.7 1246.0
Sat. 350 360 370 380 390 400 420 430 440 450 450 450 500	3.89 3.96 4.02 4.08 4.14 4.20 4.26 4.32 4.38 4.43 4.43 4.45 4.61 4.66 4.72	117 [339-4] 1.5914 1.5989 1.6059 1.6127 1.6194 1.6259 1.6328 1.6328 1.6348 1.6567 1.66683 1.6740 1.6796 1.6850	1191.0 1197.1 1202.8 1208.4 1214.0 1219.5 1225.0 1230.4 1235.8 1241.1 1246.4 1251.7 1257.0 1262.2 1267.4 1272.6	3.80 3.86 3.92 3.98 4.04 4.10 4.16 4.22 4.28 4.34 4.40 4.45 4.51 4.57 4.62 4.68	118 [340.0] 1.5907 1.5977 1.6047 1.6116 1.6183 1.6248 1.6372 1.6437 1.6497 1.6556 1.6672 1.6729 1.6785 1.6840	1191.1 1196.9 1202.6 1208.2 1213.8 1219.3 1224.8 1230.2 1246.3 1241.0 1246.3 1251.6 1256.8 1262.1 1267.3 1272.5	3.77 3.82 3.88 3.95 4.01 4.07 4.12 4.18 4.24 4.30 4.36 4.47 4.53 4.58 4.64	119 [340.6] 1.5900 1.5966 1.6036 1.6105 1.6172 1.6230 1.6364 1.6426 1.6426 1.6486 1.6546 1.6605 1.6719 1.6775 1.6830	1191.2 1196.6 1202.3 1208.0 1213.6 1219.1 1224.6 1235.4 1240.8 1240.8 1240.1 1251.4 1251.4 1252.3 1277.5	3.74 3.79 3.85 3.91 3.97 4.03 4.09 4.15 4.26 4.32 4.38 4.43 4.43 4.49	120 [341.3] 1.5893 1.5955 1.6025 1.6094 €.6161 1.6291 1.6354 1.6476 1.6476 1.6536 1.6594 1.6652 1.6709 1.6765 1.6820 1.6874	1191.4 1196.4 1202.1 1207.8 1213.4 1218.9 1224.4 1229.9 1235.3 1240.7 1246.0 1251.3 1256.6 1261.8 1267.0 1272.2
Sat. 350 360 370 380 400 410 420 430 440 450 450 450 510	3.89 3.96 4.02 4.08 4.14 4.20 4.26 4.32 4.38 4.43 4.43 4.61 4.66 4.72 4.77	117 [339-4] 1.5914 1.5989 1.6059 1.6127 1.6194 1.6259 1.6323 1.6386 1.6448 1.6508 1.6567 1.6683 1.6740 1.6796 1.6850 1.6904 1.6957	1191.0 1197.1 1202.8 1208.4 1214.0 1219.5 1225.0 1230.4 1246.4 1251.7 1257.0 1262.2 1267.4 1272.6	3.80 3.86 3.92 3.98 4.04 4.10 4.16 4.22 4.28 4.34 4.40 4.45 4.57 4.62 4.68 4.73 4.79	118 [340.0] 1.5907 1.5977 1.6047 1.6116 1.6136 1.6248 1.6312 1.6375 1.6497 1.6556 1.6672 1.6729 1.6729 1.6785 1.6844 1.6894	1191.1 1196.9 1202.6 1208.2 1213.8 1219.3 1224.8 1230.2 1235.6 1246.3 1251.6 1256.8 1267.3 1272.5 1277.6 1282.8	3.77 3.82 3.88 3.95 4.07 4.12 4.18 4.24 4.30 4.36 4.41 4.47 4.53 4.58 4.64 4.69	119 [340.6] 1.5900 1.5966 1.6036 1.6105 1.6172 1.6237 1.6301 1.63426 1.6486 1.6486 1.6546 1.6662 1.6719 1.6775 1.6830 1.6884 1.6937	1191.2 1196.6 1202.3 1208.0 1213.6 1219.1 1224.6 1235.4 1240.8 1246.1 1251.4 1256.7 1267.9 1267.1 1272.3	3.74 3.79 3.85 3.91 3.97 4.03 4.09 4.15 4.21 4.26 4.32 4.38 4.43 4.449 4.54 4.60	120 [341.3] 1.5893 1.5955 1.6025 1.6094 4.6161 1.6226 1.6291 1.6354 1.6476 1.6536 1.6594 1.6652 1.6709 1.6709 1.6765 1.6820 1.6874 1.6874 1.6927	1191.4 1196.4 1202.1 1207.8 1213.4 1218.9 1224.4 1229.9 1235.3 1240.0 1251.3 1267.0 1272.2
Sat. 350 360 370 380 410 420 430 440 450 480 490 510 520	3.89 3.96 4.02 4.08 4.14 4.20 4.26 4.32 4.38 4.43 4.45 4.65 4.65 4.66 4.72 4.77 4.83 4.89	117 [339-4] 1.5914 1.5989 1.6059 1.6127 1.6194 1.6259 1.6386 1.6458 1.6567 1.6626 1.6683 1.6796 1.6850	1191.0 1197.1 1202.8 1208.4 1214.0 1219.5 1225.0 1230.4 1235.8 1241.1 1246.4 1251.7 1257.0 1262.2 1277.7 1282.9 1288.0	3.80 3.86 3.92 3.98 4.04 4.10 4.16 4.22 4.28 4.34 4.40 4.45 4.51 4.57 4.62 4.68 4.73 4.79 4.84	118 [340.0] 1.5907 1.5977 1.6047 1.6116 1.6183 1.6248 1.6375 1.6437 1.6437 1.6556 1.6615 1.672 1.672 1.6785 1.6840	1191.1 1196.9 1202.6 1208.2 1213.8 1219.3 1224.8 1230.2 1235.6 1241.6 1256.8 1267.3 1272.5	3.77 3.82 3.88 3.95 4.01 4.07 4.12 4.18 4.30 4.36 4.41 4.45 4.53 4.58 4.64 4.69 4.75 4.80	119 [340.6] 1.5900 1.5966 1.6036 1.6105 1.6172 1.6237 1.6364 1.6426 1.6426 1.6486 1.6546 1.6605 1.6605 1.6719 1.6775 1.6830 1.6884 1.6937 1.6989	1191.2 1196.6 1202.3 1208.0 1213.6 1219.1 1224.6 1230.0 1235.4 1246.1 1251.4 1256.7 1261.9 1267.1 1272.3	3.74 3.79 3.85 3.91 4.03 4.09 4.15 4.21 4.26 4.32 4.38 4.43 4.45 4.56 4.71 4.76	120 [341.3] 1.5893 1.5955 1.6025 1.6094 4.6161 1.6226 1.6354 1.6476 1.6536 1.6594 1.6652 1.6709 1.6820 1.6874 1.6874 1.6927 1.6980	1191.4 1196.4 1202.1 1207.8 1213.4 1218.9 1224.4 1229.9 1235.3 1240.7 1251.3 1256.6 1261.8 1267.0 1272.2
Sat. 350 360 370 380 390 400 420 430 440 450 460 470 500 5520 530	3.89 3.96 4.02 4.08 4.14 4.26 4.32 4.38 4.43 4.49 4.55 4.61 4.61 4.72 4.77 4.83 4.94	117 [339-4] 1.5914 1.5989 1.6059 1.6127 1.6194 1.6259 1.6386 1.6386 1.6448 1.6508 1.6567 1.6626 1.6683 1.6740 1.6954 1.6954 1.6904 1.6904 1.7009 1.7061	1191.0 1197.1 1202.8 1208.4 1214.0 1219.5 1225.0 1235.8 1241.1 1246.4 1251.7 1257.0 1262.2 1267.4 1272.6 1277.7 1282.9 1288.0 1293.1	3.80 3.86 3.92 3.98 4.04 4.10 4.16 4.22 4.28 4.34 4.40 4.45 4.51 4.57 4.62 4.68 4.73 4.73 4.73 4.79 4.89	118 [340.0] I.5907 I.5977 I.6047 I.61163 I.6248 I.6312 I.6375 I.6437 I.6497 I.6556 I.66672 I.6729 I.6785 I.6894 I.6894 I.6947 I.6999 I.7051	1191.1 1196.9 1202.6 1208.2 1213.8 1219.3 1224.8 1230.2 1235.6 1241.0 1251.6 1256.8 1262.1 1267.3 1272.5 1277.6 1282.8 1282.9 1293.0	3.77 3.82 3.88 3.95 4.01 4.07 4.12 4.18 4.24 4.30 4.36 4.41 4.47 4.53 4.58 4.64 4.69 4.75 4.86	119 [340.6] 1.5900 1.5966 1.6036 1.6105 1.6105 1.6237 1.6364 1.6426 1.6486 1.6546 1.665 1.6675 1.6675 1.6884 1.6937 1.6989 1.7041	1191.2 1196.6 1202.3 1208.0 1213.6 1219.1 1224.6 1235.4 1240.8 1246.1 1251.4 1256.7 1261.9 1267.1 1272.3 1277.5 1282.7 1282.7 1282.9	3.74 3.79 3.85 3.91 4.03 4.09 4.15 4.21 4.26 4.32 4.38 4.43 4.49 4.54 4.65 4.71 4.76 4.82	120 [341.3] 1.5893 1.5955 1.6025 1.6025 1.6026 1.6291 1.6354 1.6476 1.6476 1.6536 1.6594 1.6652 1.6709 1.6765 1.6874 1.6924 1.6926 1.6980	1191.4 1196.4 1202.1 1207.8 1213.4 1218.9 1224.4 1229.9 1235.3 1240.7 1246.0 1251.3 1256.6 1261.8 1267.0 1272.2
Sat. 350 360 370 380 390 400 410 420 430 440 450 450 550 550 550 540	3.89 3.96 4.02 4.08 4.14 4.26 4.32 4.38 4.43 4.45 4.61 4.66 4.72 4.77 4.83 4.89 4.94 5.00	117 [339-4] 1.5914 1.5989 1.6059 1.6127 1.6194 1.6259 1.6326 1.6326 1.6488 1.6567 1.6683 1.6740 1.6796 1.6850 1.6957 1.7009 1.7013	1191.0 1197.1 1202.8 1208.4 1214.0 1214.0 1225.0 1230.4 1235.8 1241.1 1246.4 1251.7 1257.0 1262.2 1267.4 1272.6 1277.7 1282.9 1288.0 1293.1 1298.2	3.80 3.86 3.92 3.98 4.04 4.10 4.16 4.22 4.28 4.34 4.40 4.45 4.51 4.57 4.62 4.68 4.73 4.79 4.84 4.90	118 [340.0] 1.5907 1.5977 1.6047 1.6116 1.6136 1.6248 1.6372 1.6497 1.6556 1.6672 1.6729 1.6785 1.6894 1.6999 1.7051 1.7103	1191.1 1196.9 1202.6 1208.2 1213.8 1219.3 1224.8 1235.6 1246.3 1251.6 1256.8 1262.1 1267.3 1272.5 1277.6 1282.8 1287.9 1293.0 1298.1	3.77 3.82 3.88 3.95 4.01 4.07 4.12 4.18 4.30 4.36 4.47 4.53 4.64 4.69 4.75 4.86 4.91	119 [340.6] 1.5900 1.5966 1.6036 1.6105 1.6172 1.6230 1.6364 1.6426 1.6426 1.6486 1.6546 1.6719 1.6775 1.6830 1.6884 1.6937 1.6989 1.7041 1.7093	1191.2 1196.6 1202.3 1208.0 1213.6 1213.6 1224.6 1235.4 1240.8 1240.8 1246.1 1251.4 1252.7 1267.1 1272.3 1277.5 1282.7 1282.7 1282.9 1298.0	3.74 3.79 3.85 3.91 3.97 4.09 4.15 4.21 4.26 4.32 4.38 4.49 4.54 4.60 4.65 4.71 4.76 4.82 4.87	120 [341.3] 1.5893 1.5955 1.6025 1.6094 4.6161 1.6291 1.6354 1.6476 1.6536 1.6594 1.6652 1.6709 1.6765 1.6820 1.6874 1.6980 1.7032 1.7083	1191.4 1196.4 1202.1 1207.8 1213.4 1218.9 1224.4 1229.9 1235.3 1240.7 1246.0 1251.3 126.6 1261.8 1267.0 1272.2 1277.4 1282.6 1287.7 1292.8 7297.9
Sat. 350 360 370 380 390 400 410 420 420 450 450 510 520 530 540 550	3.89 3.96 4.02 4.08 4.14 4.20 4.26 4.32 4.38 4.43 4.49 4.55 4.66 4.72 4.77 4.83 4.89 4.94 5.00 5.05	117 [339-4] 1.5914 1.5989 1.6059 1.6127 1.6194 1.6259 1.6323 1.6386 1.6448 1.6508 1.6567 1.6626 1.6683 1.6740 1.6957 1.7009 1.7009 1.7011 1.7113	1191.0 1197.1 1202.8 1208.4 1214.0 1219.5 1225.0 1330.4 1235.8 1241.1 1246.4 1251.7 126.2 1267.4 1272.6 1277.7 1282.9 1288.0 1293.1 1298.2	3.80 3.86 3.92 3.98 4.04 4.10 4.16 4.22 4.28 4.34 4.40 4.45 4.57 4.62 4.68 4.73 4.79 4.84 4.90 4.95 5.01	118 [340.0] 1.5907 1.5977 1.6047 1.6116 1.6136 1.6248 1.6312 1.6375 1.6497 1.6556 1.6672 1.6729 1.6729 1.6785 1.6894 1.6894 1.6999 1.7051 1.7154	1191.1 1196.9 1202.6 1208.2 1213.8 1219.3 1224.8 1230.2 1235.6 1246.3 1251.6 1251.6 1267.3 1272.5 1277.6 1282.8 1287.9 1293.0 1298.1 1303.2	3.77 3.82 3.88 3.95 4.07 4.12 4.18 4.24 4.30 4.36 4.41 4.47 4.53 4.58 4.64 4.69 4.75 4.80 4.86 4.91	119 [340.6] 1.5900 1.5966 1.6036 1.6105 1.6172 1.6237 1.6301 1.63426 1.6426 1.6426 1.6486 1.6546 1.6605 1.6719 1.6775 1.6830 1.6884 1.6937 1.6989 1.7041 1.7093 1.7144	1191.2 1196.6 1202.3 1208.0 1213.6 1219.1 1224.6 1235.4 1240.8 1246.1 1251.4 1256.7 1261.9 1267.1 1272.3 1277.5 1282.7 1287.8 1292.9 1298.0 1303.1	3.74 3.79 3.85 3.91 3.97 4.03 4.09 4.15 4.21 4.26 4.32 4.38 4.43 4.54 4.60 4.65 4.71 4.76 4.82 4.87	120 [341.3] 1.5893 1.5955 1.6025 1.6094 4.6161 1.6226 1.6291 1.6354 1.6476 1.6536 1.6594 1.6652 1.6709 1.6709 1.6874 1.6927 1.6980 1.7032 1.7033	1191.4 1196.4 1202.1 1207.8 1213.4 1218.9 1224.4 1229.9 1235.3 1240.7 1246.0 1251.3 1256.6 1261.8 1267.0 1277.4 1282.6 1282.6 1282.7 1292.8 1297.9
Sat. 350 360 370 380 390 400 420 430 440 450 460 470 510 520 530 540 550 600	3.89 3.96 4.02 4.08 4.14 4.20 4.26 4.32 4.38 4.43 4.45 4.66 4.72 4.77 4.83 4.94 5.00 5.05 5.32	117 [339-4] 1.5914 1.5989 1.6059 1.6127 1.6194 1.6259 1.6386 1.6386 1.6448 1.6508 1.6567 1.6626 1.6683 1.6740 1.6954 1.6954 1.6904 1.6904 1.7009 1.7061 1.7113 1.7164 1.71409	1191.0 1197.1 1202.8 1208.4 1214.0 1219.5 1235.8 1241.1 1251.7 1257.0 1262.2 1267.7 1282.9 1293.1 1298.2 1303.3 1328.6	3.80 3.86 3.92 3.98 4.04 4.10 4.16 4.22 4.28 4.34 4.40 4.45 4.51 4.57 4.62 4.68 4.73 4.73 4.79 4.90 4.95 5.01 5.28	118 [340.0] 1.5907 1.5977 1.6047 1.6163 1.6248 1.6312 1.6375 1.6497 1.6556 1.6652 1.6729 1.6729 1.6785 1.6894 1.6947 1.6999 1.7051 1.7103	1191.1 1196.9 1202.6 1208.2 1213.8 1219.3 1224.8 1230.2 1235.6 1241.0 1251.6 1256.8 1267.3 1277.6 1282.8 1282.8 1287.9 1293.0 1293.1	3.77 3.82 3.88 3.95 4.07 4.12 4.18 4.24 4.30 4.36 4.41 4.47 4.53 4.58 4.64 4.69 4.75 4.86 4.91	119 [340.6] 1.5900 1.5966 1.6036 1.6152 1.6237 1.6364 1.6426 1.6486 1.6546 1.6655 1.6675 1.6662 1.6775 1.6884 1.6937 1.6989 1.7041 1.7093 1.7144 1.7389	1191.2 1196.6 1202.3 1208.0 1213.6 1219.1 1224.6 1235.4 1240.8 1246.1 1251.4 1256.7 1261.9 1267.9 1277.5 1282.7 1282.7 1282.7 1282.8 1292.9 1298.0 1303.1 1328.5	3.74 3.79 3.85 3.91 4.03 4.09 4.15 4.21 4.26 4.32 4.38 4.43 4.45 4.54 4.54 4.65 4.71 4.76 4.82 4.87	120 [341.3] 1.5893 1.5955 1.6025 1.6025 1.6025 1.6291 1.6354 1.6476 1.6476 1.6536 1.6709 1.6709 1.6709 1.6709 1.6874 1.6927 1.6980 1.7032 1.7033 1.7033 1.7134 1.7379	1191.4 1196.4 1202.1 1207.8 1213.4 1218.9 1224.4 1229.9 1235.3 1240.7 1246.0 1251.3 1256.6 1261.8 1267.2 1277.4 1282.6 1282.6 1282.7 1292.8 1297.9
Sat. 350 360 370 400 420 430 440 450 450 510 520 530 540 550 650 650	3.89 3.96 4.02 4.08 4.14 4.26 4.32 4.38 4.43 4.49 4.55 4.61 4.66 4.72 4.77 4.83 4.94 5.00 5.05 5.32 5.59	117 [339-4] 1.5914 1.5989 1.6059 1.6127 1.6194 1.6259 1.6323 1.6386 1.6448 1.6508 1.6567 1.6626 1.6683 1.6740 1.6850 1.6850 1.6957 1.7061 1.7113 1.7164 1.7164	1191.0 1197.1 1202.8 1208.4 1214.0 1219.5 1225.0 1235.8 1241.1 1246.4 1251.7 1257.0 1262.2 1267.4 1277.7 1282.9 1288.0 1298.2 1303.3 1328.6 1353.8	3.80 3.86 3.92 3.98 4.04 4.10 4.16 4.22 4.28 4.34 4.40 4.451 4.57 4.62 4.68 4.73 4.79 4.84 4.90 4.95 5.01 5.28 5.54	118 [340.0] 1.5907 1.5977 1.6047 1.6116 1.6183 1.6248 1.6312 1.6372 1.6437 1.6497 1.6556 1.6672 1.6729 1.6785 1.6840 1.6894 1.6947 1.7051 1.7103	1191.1 1196.9 1202.6 1208.2 1213.8 1219.3 1224.8 1235.6 1241.0 1246.3 1251.6 1256.8 1267.3 1277.6 1282.8 1287.9 1293.0 1298.1	3.77 3.82 3.88 3.95 4.01 4.07 4.12 4.30 4.36 4.41 4.47 4.53 4.58 4.64 4.69 4.75 4.86 4.91 4.97 5.23 5.50	119 [340.6] 1.5900 1.5966 1.6036 1.6105 1.6105 1.6237 1.6301 1.6426 1.6426 1.6426 1.6426 1.6426 1.6436 1.6546 1.6655 1.6662 1.6775 1.6830 1.6884 1.6937 1.7041 1.7093 1.7144 1.7389 1.7142	1191.2 1196.6 1202.3 1208.0 1213.6 1219.1 1224.6 1230.0 1235.4 1240.8 1246.1 1251.4 1256.7 1261.9 1267.1 1277.5 1287.8 1292.9 1298.0 1303.1 1328.5 1353.7	3.74 3.79 3.85 3.91 4.03 4.09 4.15 4.21 4.26 4.32 4.38 4.43 4.54 4.60 4.65 4.71 4.82 4.87 4.92 5.19 5.45	120 [341.3] 1.5893 1.5955 1.6025 1.6026 1.6291 1.6326 1.6415 1.6476 1.6536 1.6536 1.6594 1.6652 1.6709 1.6765 1.6820 1.6820 1.7032 1.7032 1.7032 1.7134	1191.4 1196.4 1202.1 1207.8 1213.9 1224.4 1229.9 1353.3 1240.7 1246.0 1251.3 1256.6 1261.8 1267.0 1277.2 1277.4 1282.6 1287.7 1292.8 1297.9 1303.0 1328.4 1353.6
Sat. 350 360 370 380 390 400 420 430 440 450 450 450 550 550 550 550 560 600	3.89 3.96 4.02 4.08 4.14 4.20 4.26 4.32 4.38 4.43 4.45 4.66 4.72 4.77 4.83 4.94 5.00 5.05 5.32	117 [339-4] 1.5914 1.5989 1.6059 1.6127 1.6194 1.6259 1.6386 1.6386 1.6448 1.6508 1.6567 1.6626 1.6683 1.6740 1.6954 1.6954 1.6904 1.6904 1.7009 1.7061 1.7113 1.7164 1.71409	1191.0 1197.1 1202.8 1208.4 1214.0 1219.5 1235.8 1241.1 1251.7 1257.0 1262.2 1267.7 1282.9 1293.1 1298.2 1303.3 1328.6	3.80 3.86 3.92 3.98 4.04 4.10 4.16 4.22 4.28 4.34 4.40 4.45 4.51 4.57 4.62 4.68 4.73 4.73 4.79 4.90 4.95 5.01 5.28	118 [340.0] 1.5907 1.5977 1.6047 1.6163 1.6248 1.6312 1.6375 1.6497 1.6556 1.6652 1.6729 1.6729 1.6785 1.6894 1.6947 1.6999 1.7051 1.7103	1191.1 1196.9 1202.6 1208.2 1213.8 1219.3 1224.8 1230.2 1235.6 1241.0 1251.6 1256.8 1267.3 1277.6 1282.8 1282.8 1287.9 1293.0 1293.1	3.77 3.82 3.88 3.95 4.07 4.12 4.18 4.24 4.30 4.36 4.41 4.47 4.53 4.58 4.64 4.69 4.75 4.86 4.91	119 [340.6] 1.5900 1.5966 1.6036 1.6152 1.6237 1.6364 1.6426 1.6486 1.6546 1.6655 1.6675 1.6662 1.6775 1.6884 1.6937 1.6989 1.7041 1.7093 1.7144 1.7389	1191.2 1196.6 1202.3 1208.0 1213.6 1219.1 1224.6 1235.4 1240.8 1246.1 1251.4 1256.7 1261.9 1267.9 1277.5 1282.7 1282.7 1282.8 1292.9 1298.0 1303.1 1328.5	3.74 3.79 3.85 3.91 4.03 4.09 4.15 4.21 4.26 4.32 4.38 4.43 4.45 4.54 4.54 4.65 4.71 4.76 4.82 4.87	120 [341.3] 1.5893 1.5955 1.6025 1.6025 1.6025 1.6291 1.6354 1.6476 1.6476 1.6536 1.6709 1.6709 1.6709 1.6709 1.6874 1.6927 1.6980 1.7032 1.7033 1.7033 1.7134 1.7379	1191.4 1196.4 1202.1 1207.8 1213.4 1218.9 1224.4 1229.9 1235.3 1240.7 1246.0 1251.3 1256.6 1261.8 1267.2 1277.4 1282.6 1282.6 1282.7 1292.8 1297.9

Pres- sure		121 [341.9]			122 [342.5]			123 [343.1]			124 [343-7]	
Temp	▼ .		i	•	•	i	٧		i	٧	8	i
Sat.	3.71	1.5886	1191.5	3.68	1.5879	1191.6	3.65	1.5872	1191.8	3.62	1.5865	1191.9
350	3.76	1.5943	1196.2	3.72	1.5932	1196.0	3.69	1.5921	1195.7	3.66	1.5910	1195.5
360	3.82	1.6013	1201.9	3.78	1.6002	1201.7	3.75	1.5991	1201.5	3.72	1.5980	1201.3
370	3.88	1.6082	1207.6	3.84	1.6071	1207.4	3.81	1.6060	1207.2	3.78	1.6049	1207.0
380	3.94	1.6150	1213.2	3.90	1.6139	1213.0	3.87	1.6128	1212.8	3.84	1.6117	1212.6
390	4.00	1.6216	1218.8	3.96	1.6205	1218.6	3.93	1.6194	1218.4	3.89	1.6183	1218.2
400	4.05	1.6280	1224.3	4.02	1.6269	1224.1	3.98	1.6258	1223.9	3.95	1.6248	1223.7
410	4.11	1.6343	1229.7	4.08	1.6332	1229.6	4.04	1.6322	1229.4	4.01	1.6311	1229.2
420	4.17	1.6405	1235.1	4.13	1.6394	1235.0	4.10	1.6384	1234.8	4.06	1.6373	1234.6
430	4.23	1.6466	1240.5	4.19	1.6455	1240.4	4.15	1.6445	1240.2	4.12	1.6434	1240.0
440	4.28	1.6525	1245.9	4.25	1.6515	1245.7	4.21	1.6505	1245.6	4.17	1.6494	1245.4
450	4.34	1.6584	1251.2	4.30	1.6574	1251.0	4.26	1.6563	1250.9	4.23	1.6553	1250.7
460	4.39	1.6642	1256.4	4.36	1.6631	1256.3	4.32	1.6621	1256.2	4.28	1.6611	1256.0
470	4-45	1.6699	1261.7	4.41	1.6688	1261.6	4.37	1.6678	1261.4	4.34	1.6668	1261.3
480	4.50	1.6754	1266.9	4.46	1.6744	1266.8	4.43	1.6734	1266.7	4.39	1.6724	1266.6
490	4.56		12/2.1	4.52	1.6799	1272.0	4.48	1.6789	1271.9	4.44	1.6779	1271.8
500	4.61	1.6864	1277.3	4.57	1.6854	1277.2	4.54	1.6844	1277.1	4.50	1.6834	1277.0
510	4.67	1.6918	1282.5	4.63	1.6908	1282.4	4.59	1.6898	1282.2	4.55	1.6988	1282.1
520	4.72	1.6971	1287.6	4.68	1.6961	1287.5	4.64	1.6951	1287.4	4.60	1.6941	1287.3
530	4.77	1.7023	1292.7	4.73	1.7013	1292.6	4.69	1.7003	1292.6	4.66	1.6993	1292.5
540	4.83	1.7074	1297.9	4.79	1.7064	1297.8	4.75	1.7054	1297.7	4.71	1.7044	1297.6
550	4.88	1.7124	1303.0	4.84	1.7114	1302.9	4.80	1.7105	1302.8	4.76	1.7095	1302.7
600	5.15	1.7370	1328.3	5.10	1.7360	1328.3	5.06	1.7350	1328.2	5.02	1.7341	1328.1
650	5.41	1.7602	1353.5	5.36	1.7593	1353.5	5.32	1.7583	1353.4	5.27	1.7574	1353.3
700	5.66	1.7824	1378.7	5.62	1.7815	1378.6	5.57	1.7805	1378.6	5.52	1.7796	1378.5
750	5.92	1.8037	1403.9	5.87	1.8027	1403.8	5.82	1.8018	1403.8	5-77	1.8009	1403.7
		125 [344-4]			126 [345.0]			127 [345.6]			128 [346.2]	
Sat.	3.59		1192.0	3.57		1192.1	3.54		1192.3	3.51		1192.4
	_	[344-4]			[345.0]	-		[345.6]			[346.2]	
350	3.63	[344-4] 1.5858 1.5899	1195.3	3.60	[345.0] 1.5852 1.5888	1195.1	3.57	[345.6] 1.5845 1.5877	1194.9	3.54	[346.2] 1.5838 1.5866	1194.6
350 360	3.63 3.69	[344-4] 1.5858 1.5899 1.5970	1195.3	3.60 3.66	[345.0] 1.5852 1.5888 1.5959	1195.1	3.57 3.62	[345.6] 1.5845 1.5877 1.5948	1194.9	3·54 3·59	[346.2] 1.5838 1.5866 1.5937	1194.6
350 360 370	3.63 3.69 3.75	[344-4] 1.5858 1.5899 1.5970 1.6039	1195.3 1201.1 1206.8	3.60 3.66 3.71	[345.0] 1.5852 1.5888 1.5959 1.6028	1195.1 1200.9 1206.6	3.57 3.62 3.68	[345.6] 1.5845 1.5877 1.5948 1.6017	1194.9 1200.7 1206.4	3·54 3·59 3·65	[346.2] 1.5838 1.5866 1.5937 1.6007	1194.6 1200.4 1206.2
350 360	3.63 3.69	[344-4] 1.5858 1.5899 1.5970	1195.3	3.60 3.66	[345.0] 1.5852 1.5888 1.5959	1195.1	3.57 3.62	[345.6] 1.5845 1.5877 1.5948	1194.9	3·54 3·59	[346.2] 1.5838 1.5866 1.5937	1194.6
350 360 370 380 390	3.63 3.69 3.75 3.80 3.86	[344-4] 1.5858 1.5899 1.5970 1.6039 1.6106 1.6172	1195.3 1201.1 1206.8 1212.4 1218.0	3.60 3.66 3.71 3.77 3.83	[345.0] 1.5852 1.5888 1.5959 1.6028 1.6096 1.6162	1195.1 1200.9 1206.6 1212.2 1217.8	3.57 3.62 3.68 3.74 3.80	[345.6] 1.5845 1.5877 1.5948 1.6017 1.6085 1.6151	1194.9 1200.7 1206.4 1212.0 1217.6	3.54 3.59 3.65 3.71 3.77	[346.2] 1.5838 1.5866 1.5937 1.6007 1.6075 1.6141	1194.6 1200.4 1206.2 1211.9 1217.5
350 360 370 380 390 400	3.63 3.69 3.75 3.80 3.86	[344-4] 1.5858 1.5899 1.5970 1.6039 1.6106 1.6172 1.6237	1195.3 1201.1 1206.8 1212.4 1218.0	3.60 3.66 3.71 3.77 3.83	[345.0] 1.5852 1.5888 1.5959 1.6028 1.6096 1.6162 1.6227	1195.1 1200.9 1206.6 1212.2 1217.8	3.57 3.62 3.68 3.74 3.80	[345.6] 1.5845 1.5877 1.5948 1.6017 1.6085 1.6151 1.6216	1194.9 1200.7 1206.4 1212.0 1217.6	3.54 3.59 3.65 3.71 3.77	[346.2] 1.5838 1.5866 1.5937 1.6007 1.6075 1.6141 1.6206	1194.6 1200.4 1206.2 1211.9 1217.5
350 360 370 380 390 400 410	3.63 3.69 3.75 3.80 3.86 3.92 3.97	1.5858 1.5859 1.5970 1.6039 1.6106 1.6172 1.6237 1.6301	1195.3 1201.1 1206.8 1212.4 1218.0	3.60 3.66 3.71 3.77 3.83 3.88 3.94	[345.0] 1.5852 1.5888 1.5959 1.6028 1.6096 1.6162 1.6227 1.6291	1195.1 1200.9 1206.6 1212.2 1217.8	3.57 3.62 3.68 3.74 3.80 3.85 3.91	1.5845 1.5845 1.5877 1.5948 1.6017 1.6085 1.6151 1.6216 1.6281	1194.9 1200.7 1206.4 1212.0 1217.6	3.54 3.59 3.65 3.71 3.77 3.82 3.88	[346.2] 1.5838 1.5866 1.5937 1.6007 1.6075 1.6141 1.6206 1.6271	1194.6 1200.4 1206.2 1211.9 1217.5
350 360 370 380 390 400 410	3.63 3.69 3.75 3.80 3.86 3.92 3.97 4.03	1.5858 1.5859 1.5970 1.6039 1.6106 1.6172 1.6237 1.6301 1.6363	1195.3 1201.1 1206.8 1212.4 1218.0 1223.6 1229.1 1234.5	3.60 3.66 3.71 3.77 3.83 3.88 3.94 4.00	1.5852 1.5888 1.5959 1.6028 1.6096 1.6162 1.6227 1.6291 1.6353	1195.1 1200.9 1206.6 1212.2 1217.8 1223.4 1228.9 1234.3	3.57 3.62 3.68 3.74 3.80 3.85 3.91 3.96	1.5845 1.5845 1.5877 1.5948 1.6017 1.6085 1.6151 1.6216 1.6281 1.6343	1194.9 1200.7 1206.4 1212.0 1217.6 1223.2 1228.7 1234.2	3.54 3.59 3.65 3.71 3.77 3.82 3.88 3.93	[346.2] 1.5838 1.5866 1.5937 1.6007 1.6075 1.6141 1.6206 1.6271 1.6333	1194.6 1200.4 1206.2 1211.9 1217.5 1223.0 1228.5 1234.0
350 360 370 380 390 400 410	3.63 3.69 3.75 3.80 3.86 3.92 3.97	1.5858 1.5859 1.5970 1.6039 1.6106 1.6172 1.6237 1.6301	1195.3 1201.1 1206.8 1212.4 1218.0	3.60 3.66 3.71 3.77 3.83 3.88 3.94	[345.0] 1.5852 1.5888 1.5959 1.6028 1.6096 1.6162 1.6227 1.6291	1195.1 1200.9 1206.6 1212.2 1217.8	3.57 3.62 3.68 3.74 3.80 3.85 3.91	1.5845 1.5845 1.5877 1.5948 1.6017 1.6085 1.6151 1.6216 1.6281	1194.9 1200.7 1206.4 1212.0 1217.6	3.54 3.59 3.65 3.71 3.77 3.82 3.88	[346.2] 1.5838 1.5866 1.5937 1.6007 1.6075 1.6141 1.6206 1.6271	1194.6 1200.4 1206.2 1211.9 1217.5
350 360 370 380 390 400 410 420 430 440	3.63 3.69 3.75 3.80 3.86 3.92 3.97 4.03 4.08	1.5858 1.5899 1.5970 1.6039 1.6106 1.6172 1.6237 1.6363 1.6424 1.6484	1195.3 1201.1 1206.8 1212.4 1218.0 1223.6 1229.1 1234.5 1239.9 1245.3	3.60 3.66 3.71 3.77 3.83 3.88 3.94 4.00 4.05 4.10	[345.0] 1.5852 1.5888 1.5959 1.6028 1.6096 1.6162 1.6227 1.6291 1.6353 1.6414 1.6474	1195.1 1200.9 1206.6 1212.2 1217.8 1223.4 1228.9 1234.3 1239.7 1245.1	3.57 3.62 3.68 3.74 3.80 3.85 3.91 3.96 4.02 4.07	[345.6] 1.5845 1.5877 1.5948 1.6017 1.6085 1.6151 1.6216 1.6281 1.6343 1.6404 1.6464	1194.9 1200.7 1206.4 1212.0 1217.6 1223.2 1228.7 1234.2 1239.6 1245.0	3.54 3.59 3.65 3.71 3.77 3.82 3.88 3.93 3.98 4.04	[346.2] 1.5838 1.5866 1.5937 1.6007 1.6075 1.6141 1.6206 1.6271 1.6333 1.6394 1.6454	1194.6 1200.4 1206.2 1211.9 1217.5 1223.0 1228.5 1234.0 1239.4 1244.8
350 360 370 380 390 400 410 420 430 440	3.63 3.69 3.75 3.80 3.86 3.92 3.97 4.03 4.08 4.14	1.5858 1.5899 1.5970 1.6039 1.6106 1.6172 1.6237 1.6363 1.6424 1.6484	1195.3 1201.1 1206.8 1212.4 1218.0 1223.6 1229.1 1234.5 1239.9 1245.3	3.60 3.66 3.71 3.77 3.83 3.88 3.94 4.00 4.05 4.10	1.5852 1.5888 1.5959 1.6028 1.6096 1.6162 1.6227 1.6291 1.6353 1.6414 1.6474	1195.1 1200.9 1206.6 1212.2 1217.8 1223.4 1228.9 1234.3 1239.7 1245.1	3.57 3.62 3.68 3.74 3.80 3.85 3.91 3.96 4.02 4.07	1.5845 1.5877 1.5948 1.6017 1.6085 1.6151 1.6216 1.6281 1.6343 1.6404 1.6464	1194.9 1200.7 1206.4 1212.0 1217.6 1223.2 1228.7 1234.2 1239.6 1245.0	3.54 3.59 3.65 3.71 3.77 3.82 3.88 3.93 3.98 4.04	[346.2] 1.5838 1.5866 1.5937 1.6007 1.6075 1.6141 1.6206 1.6271 1.6333 1.6394 1.6454	1194.6 1200.4 1206.2 1211.9 1217.5 1223.0 1228.5 1234.0 1239.4 1244.8
350 360 370 380 390 400 410 420 430 440	3.63 3.69 3.75 3.80 3.86 3.92 3.97 4.03 4.08 4.14 4.19 4.25	1.5858 1.5899 1.5970 1.6039 1.6106 1.6172 1.6337 1.6363 1.6424 1.6484 1.6543 1.6563	1195.3 1201.1 1206.8 1212.4 1218.0 1223.6 1229.1 1234.5 1239.9 1245.3	3.60 3.66 3.71 3.77 3.83 3.88 3.94 4.00 4.05 4.10	[345.0] 1.5852 1.5888 1.5959 1.6028 1.6096 1.6162 1.6227 1.6291 1.6353 1.6414 1.6474	1195.1 1200.9 1206.6 1212.2 1217.8 1223.4 1228.9 1234.3 1239.7 1245.1	3.57 3.62 3.68 3.74 3.80 3.85 3.91 3.96 4.02 4.07	1.5845 1.5845 1.5877 1.5948 1.6017 1.6085 1.6151 1.6216 1.6281 1.6343 1.6404 1.6523 1.6523	1194.9 1200.7 1206.4 1212.6 1223.2 1228.7 1234.2 1239.6 1245.0	3.54 3.59 3.65 3.71 3.77 3.82 3.98 4.04 4.09 4.14	[346.2] 1.5838 1.5866 1.5937 1.6007 1.6075 1.6141 1.6206 1.6271 1.6333 1.6394 1.6454 1.6513 1.6572	1194.6 1200.4 1206.2 1211.9 1217.5 1223.0 1228.5 1234.0 1239.4 1244.8
350 360 370 380 390 400 410 420 430 440 450 460 470	3.63 3.69 3.75 3.80 3.86 3.92 3.97 4.03 4.08 4.14 4.19 4.25 4.30	1.5858 1.5899 1.5970 1.6039 1.6106 1.6172 1.6301 1.6301 1.6424 1.6484 1.6543 1.6601 1.6658	1195.3 1201.1 1206.8 1212.4 1218.0 1223.6 1229.1 1234.5 1239.9 1245.3	3.60 3.66 3.71 3.77 3.83 3.88 3.94 4.00 4.05 4.10 4.16 4.21 4.27	[345.0] 1.5852 1.5888 1.5959 1.6028 1.6096 1.6162 1.6227 1.6291 1.6353 1.6414 1.6533 1.6591 1.6648	1195.1 1200.9 1206.6 1212.2 1217.8 1223.4 1228.9 1234.3 1239.7 1245.1	3.57 3.62 3.68 3.74 3.80 3.85 3.91 3.96 4.02 4.07	1.5845 1.5877 1.5948 1.6017 1.6085 1.6151 1.6216 1.6281 1.63404 1.6464 1.6523 1.6523 1.6581 1.6539	1194.9 1200.7 1206.4 1212.0 1217.6 1223.2 1228.7 1234.2 1239.6 1245.0	3.54 3.59 3.65 3.71 3.77 3.82 3.88 3.93 3.98 4.04 4.09 4.14 4.20	[346.2] 1.5838 1.5866 1.5937 1.6007 1.6075 1.6141 1.6206 1.6271 1.6334 1.6394 1.6454	1194.6 1200.4 1206.2 1211.9 1217.5 1223.0 1228.5 1239.4 1244.8 1250.2
350 360 370 380 390 400 410 420 430 440	3.63 3.69 3.75 3.80 3.86 3.92 3.97 4.03 4.08 4.14 4.19 4.25	1.5858 1.5899 1.5970 1.6039 1.6106 1.6172 1.6337 1.6363 1.6424 1.6484 1.6543 1.6563	1195.3 1201.1 1206.8 1212.4 1218.0 1223.6 1229.1 1234.5 1239.9 1245.3 1250.6 1255.9 1261.2	3.60 3.66 3.71 3.77 3.83 3.88 3.94 4.00 4.05 4.10	[345.0] 1.5852 1.5888 1.5959 1.6028 1.6096 1.6162 1.6227 1.6291 1.6353 1.6414 1.6474	1195.1 1200.9 1206.6 1212.2 1217.8 1223.4 1228.9 1234.3 1239.7 1245.1	3.57 3.62 3.68 3.74 3.80 3.85 3.91 3.96 4.02 4.07	1.5845 1.5845 1.5877 1.5948 1.6017 1.6085 1.6151 1.6216 1.6281 1.6343 1.6404 1.6523 1.6523	1194.9 1200.7 1206.4 1212.6 1223.2 1228.7 1234.2 1239.6 1245.0	3.54 3.59 3.65 3.71 3.77 3.82 3.98 4.04 4.09 4.14	[346.2] 1.5838 1.5866 1.5937 1.6007 1.6075 1.6141 1.6206 1.6271 1.6333 1.6394 1.6454 1.6513 1.6572	1194.6 1200.4 1206.2 1211.9 1217.5 1223.0 1228.5 1234.0 1239.4 1244.8
350 360 370 380 390 400 410 420 430 440 450 460 470 480	3.63 3.69 3.75 3.86 3.92 3.97 4.03 4.08 4.14 4.19 4.25 4.30 4.35	1.5858 1.5899 1.5970 1.6039 1.6106 1.6172 1.6361 1.6361 1.6424 1.6484 1.6543 1.6601 1.6658 1.6714 1.6770	1195.3 1201.1 1206.8 1212.4 1218.0 1223.6 1229.1 1234.5 1239.9 1245.3 1250.6 1255.9 1261.2	3.60 3.66 3.71 3.77 3.83 3.88 3.94 4.00 4.05 4.10 4.16 4.21 4.27 4.32 4.37	1.5852 1.5888 1.5959 1.6028 1.6096 1.6162 1.6227 1.6291 1.6353 1.6414 1.6474 1.6533 1.6591 1.6648 1.6704	1195.1 1200.9 1206.6 1212.2 1217.8 1223.4 1228.9 1234.3 1239.7 1245.1 1250.5 1255.8 1261.1 1266.3	3.57 3.68 3.74 3.80 3.85 3.91 3.96 4.02 4.07 4.12 4.18 4.23 4.28	1.5845 1.5877 1.5948 1.6017 1.6085 1.6151 1.6216 1.6281 1.6343 1.6404 1.6523 1.6523 1.6539 1.6639	1194.9 1200.7 1206.4 1212.0 1217.6 1223.2 1234.2 1239.6 1245.0 1250.3 1255.6 1260.9 1266.2	3.54 3.59 3.65 3.71 3.77 3.82 3.88 3.93 3.98 4.04 4.09 4.14 4.20 4.25	[346.2] 1.5838 1.5866 1.5937 1.6007 1.6075 1.6141 1.6206 1.6271 1.6333 1.6394 1.6454 1.6513 1.6572 1.6629 1.6685	1194.6 1200.4 1206.2 1211.9 1217.5 1223.0 1228.5 1234.0 1239.4 1244.8 1250.2 1255.5 1260.8 1266.1 1271.3
350 360 370 380 390 410 420 430 440 450 460 470 480 490 510	3.63 3.69 3.75 3.80 3.86 3.92 3.97 4.03 4.08 4.14 4.19 4.25 4.30 4.35 4.41	1.5858 1.5899 1.5970 1.6039 1.6106 1.6172 1.6237 1.6301 1.6362 1.6484 1.6543 1.66601 1.6658 1.6714 1.6770	1195.3 1201.1 1206.8 1212.4 1218.0 1223.6 1229.1 1234.5 1239.9 1245.3 1250.6 1255.9 1261.2 1266.4 1271.7	3.60 3.66 3.71 3.77 3.83 3.88 3.94 4.00 4.05 4.10 4.16 4.21 4.27 4.32 4.37	1.5852 1.5888 1.5959 1.6028 1.6096 1.6162 1.6227 1.6291 1.6353 1.6414 1.6533 1.6591 1.6648 1.6704 1.6760	1195.1 1200.6 1212.2 1217.8 1223.4 1228.9 1234.3 1239.7 1245.1 1250.5 1255.8 1261.1 1266.3 1271.5	3.57 3.62 3.68 3.74 3.80 3.85 3.91 3.96 4.02 4.07 4.12 4.18 4.23 4.23 4.23	1.5845 1.5877 1.5948 1.6017 1.6085 1.6151 1.6281 1.6343 1.6464 1.6523 1.6581 1.6639 1.6695 1.6750	1194.9 1200.7 1206.4 1212.0 1217.6 1223.2 1234.2 1234.2 1239.6 1245.0 1250.3 1255.6 1260.9 1266.2 1271.4	3.54 3.59 3.65 3.71 3.77 3.82 3.88 3.93 3.98 4.04 4.09 4.14 4.20 4.25 4.30	[346.2] 1.5838 1.5866 1.5937 1.6007 1.6075 1.6141 1.6206 1.6271 1.6333 1.6394 1.6513 1.6573 1.6573 1.6574 1.6529 1.6685 1.6740 1.6795 1.6849	1194.6 1200.4 1206.2 1211.9 1217.5 1223.0 1228.5 1234.6 1239.4 1244.8 1250.2 1255.5 1260.8 1266.1 1271.3
350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 510 510 520	3.63 3.69 3.75 3.80 3.86 3.97 4.03 4.08 4.14 4.19 4.25 4.35 4.41 4.46 4.51 4.56	1.5858 1.5899 1.5970 1.6039 1.6106 1.6172 1.6237 1.6363 1.6424 1.6543 1.6658 1.6714 1.6770 1.6824 1.6878 1.6893	1195.3 1201.1 1206.8 1212.4 1218.0 1223.6 1229.1 1234.5 1239.9 1245.3 1250.6 1255.9 1261.2 1261.2 1271.7	3.60 3.66 3.71 3.77 3.83 3.88 3.94 4.00 4.05 4.10 4.16 4.21 4.27 4.32 4.37	1.5852 1.5888 1.5959 1.6028 1.6096 1.6162 1.6227 1.6291 1.6353 1.6414 1.6474 1.6533 1.6591	1195.1 1200.6 1212.2 1217.8 1223.4 1228.9 1234.3 1239.7 1245.1 1250.5 1255.8 1261.1 1266.3 1271.5	3.57 3.62 3.68 3.74 3.80 3.85 3.91 3.96 4.02 4.07 4.12 4.18 4.23 4.28 4.34	1.5845 1.5877 1.5948 1.6017 1.6085 1.6151 1.6216 1.6281 1.6343 1.6464 1.6583 1.6583 1.6695 1.6655 1.6859 1.6859	1194.9 1200.7 1206.7 1212.0 1217.6 1223.2 1234.2 1239.6 1245.0 1250.3 1255.6 1260.9 1260.9 1271.4	3.54 3.59 3.65 3.71 3.77 3.82 3.88 3.93 3.98 4.04 4.09 4.14 4.20 4.25 4.30	[346.2] 1.5838 1.5866 1.5937 1.6007 1.6075 1.6141 1.6206 1.6271 1.6333 1.6394 1.6454 1.6553 1.6572 1.6685 1.6740 1.6795 1.6849 1.6902	1194.6 1200.4 1206.2 1211.9 1217.5 1223.0 1228.5 1234.0 1239.4 1244.8 1250.2 1255.5 1260.8 1271.3
350 360 370 380 380 390 400 410 420 440 450 450 450 500 500 510 520 530	3.63 3.69 3.75 3.80 3.86 3.97 4.03 4.08 4.14 4.19 4.25 4.30 4.45 4.41 4.46 4.51 4.51 4.62	1.5858 1.5899 1.5970 1.6039 1.6106 1.6172 1.6237 1.6363 1.6424 1.6484 1.6543 1.6658 1.6770 1.6824 1.6878 1.6931 1.6983	1195.3 1201.8 1212.4 1218.0 1223.6 1229.1 1234.5 1239.9 1245.3 1250.6 1255.9 1261.2 1271.7 1276.9 1282.0 1282.0 1282.0	3.60 3.66 3.71 3.77 3.83 3.88 3.94 4.00 4.05 4.10 4.16 4.21 4.27 4.32 4.37 4.48 4.53 4.53	1.5852 1.5888 1.5959 1.6028 1.6096 1.6162 1.6227 1.6353 1.6414 1.6474 1.6533 1.6591 1.6648 1.6760 1.6814 1.6868 1.6921 1.6973	1195.1 1200.9 1206.6 1212.2 1217.8 1223.4 1223.4 1234.3 1239.7 1245.1 1250.5 1255.8 1261.1 1266.3 1271.5 1276.7 1281.9 1287.1 1292.3	3.57 3.62 3.68 3.74 3.80 3.85 3.91 3.96 4.02 4.07 4.12 4.23 4.28 4.34	1.5845 1.5877 1.5948 1.6017 1.6085 1.6151 1.6281 1.6343 1.6464 1.6523 1.6581 1.6635 1.6695 1.6695 1.6859 1.6859 1.6912 1.6944	1194.9 1200.7 1206.7 1212.0 1217.6 1223.2 1234.2 1239.6 1245.0 1250.3 1255.6 1260.9 1266.2 1271.4 1276.6 1281.8 1287.0 1292.2	3.54 3.59 3.65 3.71 3.77 3.88 3.98 4.04 4.09 4.14 4.20 4.25 4.30 4.35 4.46 4.51	[346.2] 1.5838 1.5866 1.5937 1.6007 1.6075 1.6141 1.6206 1.6271 1.6333 1.6394 1.6454 1.6572 1.6685 1.6740 1.6795 1.6849 1.6902 1.6902	1194.6 1200.4 1206.2 1211.9 1217.5 1223.0 1234.0 1239.4 1244.8 1250.2 1255.5 1260.8 1261.3 1271.3
350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 510 510 520	3.63 3.69 3.75 3.80 3.86 3.97 4.03 4.08 4.14 4.19 4.25 4.35 4.41 4.46 4.51 4.56	1.5858 1.5899 1.5970 1.6039 1.6106 1.6172 1.6237 1.6363 1.6424 1.6543 1.6658 1.6714 1.6770 1.6824 1.6878 1.6893	1195.3 1201.1 1206.8 1212.4 1218.0 1223.6 1229.1 1234.5 1239.9 1245.3 1250.6 1255.9 1261.2 1261.2 1271.7	3.60 3.66 3.71 3.77 3.83 3.88 3.94 4.00 4.05 4.10 4.16 4.21 4.27 4.37 4.42 4.43 4.43	1.5852 1.5888 1.5959 1.6028 1.6096 1.6162 1.6227 1.6291 1.6353 1.6414 1.6474 1.6533 1.6591	1195.1 1200.9 1206.6 1212.2 1217.8 1223.4 1228.9 1234.3 1239.7 1245.1 1250.5 1251.8 1261.1 1266.3 1271.5	3.57 3.62 3.68 3.74 3.80 3.85 3.91 3.96 4.02 4.07 4.12 4.18 4.23 4.28 4.34 4.49	1.5845 1.5877 1.5948 1.6017 1.6085 1.6151 1.6216 1.6281 1.6343 1.6464 1.6583 1.6583 1.6695 1.6655 1.6859 1.6859	1194.9 1200.7 1206.7 1212.0 1217.6 1223.2 1234.2 1239.6 1245.0 1250.3 1255.6 1260.9 1260.9 1271.4	3.54 3.59 3.65 3.71 3.77 3.82 3.88 3.93 3.98 4.04 4.29 4.14 4.20 4.25 4.30	[346.2] 1.5838 1.5866 1.5937 1.6007 1.6075 1.6141 1.6206 1.6271 1.6333 1.6394 1.6454 1.6553 1.6572 1.6685 1.6740 1.6795 1.6849 1.6902	1194.6 1200.4 1206.2 1211.9 1217.5 1223.0 1228.5 1234.0 1239.4 1244.8 1250.2 1255.5 1260.8 1271.3
350 360 370 380 380 390 400 410 420 440 450 450 450 500 500 510 520 530	3.63 3.69 3.75 3.80 3.86 3.97 4.03 4.08 4.14 4.19 4.25 4.30 4.45 4.41 4.46 4.51 4.51 4.62	1.5858 1.5899 1.5970 1.6039 1.6106 1.6172 1.6237 1.6363 1.6424 1.6484 1.6543 1.6658 1.6770 1.6824 1.6878 1.6931 1.6983	1195.3 1201.8 1212.4 1218.0 1223.6 1229.1 1234.5 1239.9 1245.3 1250.6 1255.9 1261.2 1271.7 1276.9 1282.0 1282.0 1282.0	3.60 3.66 3.71 3.77 3.83 3.88 3.94 4.00 4.05 4.10 4.16 4.21 4.27 4.32 4.37 4.48 4.53 4.53	1.5852 1.5888 1.5959 1.6028 1.6096 1.6162 1.6227 1.6353 1.6414 1.6474 1.6533 1.6591 1.6648 1.6760 1.6814 1.6868 1.6921 1.6973	1195.1 1200.9 1206.6 1212.2 1217.8 1223.4 1223.4 1234.3 1239.7 1245.1 1250.5 1255.8 1261.1 1266.3 1271.5 1276.7 1281.9 1287.1 1292.3	3.57 3.62 3.68 3.74 3.80 3.91 3.96 4.02 4.07 4.12 4.18 4.23 4.24 4.34 4.34 4.34 4.34	1.5845 1.5877 1.5948 1.6017 1.6085 1.6151 1.6281 1.6343 1.6464 1.6523 1.6581 1.6635 1.6695 1.6695 1.6859 1.6859 1.6912 1.6944	1194.9 1200.7 1206.7 1212.0 1217.6 1223.2 1234.2 1239.6 1245.0 1250.3 1255.6 1260.9 1266.2 1271.4 1276.6 1281.8 1287.0 1292.2	3.54 3.59 3.65 3.71 3.77 3.88 3.98 4.04 4.09 4.14 4.20 4.25 4.30 4.35 4.46 4.51	[346.2] 1.5838 1.5866 1.5937 1.6007 1.6075 1.6141 1.6206 1.6271 1.6333 1.6394 1.6454 1.6572 1.6685 1.6740 1.6795 1.6849 1.6902 1.6902	1194.6 1200.4 1206.2 1211.9 1217.5 1223.0 1234.0 1239.4 1244.8 1250.2 1255.5 1260.8 1261.3 1271.3
350 360 370 380 390 410 420 430 440 450 450 450 510 520 530 540	3.63 3.69 3.75 3.80 3.86 3.92 3.97 4.03 4.08 4.14 4.19 4.25 4.30 4.35 4.41 4.46 4.51 4.56 4.62	1.5858 1.5899 1.5970 1.6039 1.6106 1.6172 1.6237 1.6301 1.63624 1.6484 1.6543 1.6661 1.6658 1.6714 1.6770 1.6824 1.6878 1.6983 1.7034	1195.3 1201.1 1206.8 1212.4 1218.0 1223.6 1229.1 1234.5 1239.9 1245.3 1250.6 1255.9 1261.2 1266.4 1271.7 1276.9 1282.0 1287.2	3.60 3.66 3.71 3.77 3.83 3.88 3.94 4.00 4.05 4.10 4.16 4.21 4.27 4.32 4.37 4.48 4.53 4.58 4.63	1.5852 1.5888 1.5959 1.6028 1.6096 1.6162 1.6227 1.6291 1.6353 1.6414 1.6533 1.6591 1.6760 1.6868 1.6921 1.6973 1.7025	1195.1 1206.6 1212.2 1217.8 1223.4 1223.4 1239.7 1245.1 1250.5 1255.8 1261.1 1266.3 1271.5 1276.7 1281.9 1292.3 1297.4	3.57 3.62 3.68 3.74 3.80 3.85 3.91 3.96 4.02 4.07 4.12 4.23 4.28 4.34 4.34 4.49 4.54 4.59	[345.6] 1.5845 1.5877 1.5948 1.6017 1.6085 1.6151 1.6216 1.6281 1.63404 1.6464 1.6523 1.65639 1.6695 1.6750 1.6859 1.695 1.6912 1.6964 1.7015	1194.9 1200.7 1206.4 1212.0 1217.6 1223.2 1234.2 1239.6 1245.0 1255.6 1260.9 1266.2 1271.4 1276.6 1281.8 1287.0 1292.2 1297.3	3.54 3.59 3.65 3.71 3.77 3.82 3.88 3.93 3.98 4.04 4.09 4.14 4.20 4.25 4.30 4.46 4.46 4.51 4.56	[346.2] 1.5838 1.5866 1.5937 1.6007 1.6075 1.6141 1.6206 1.6271 1.6334 1.63572 1.6629 1.6685 1.6740 1.6795 1.6849 1.6902 1.6905 1.7006	1194.6 1206.2 1211.9 1217.5 1223.0 1228.5 1234.0 1239.4 1244.8 1250.2 1255.5 1260.8 1271.3 1276.5 1281.7 1286.9 1292.1
350 360 370 380 390 400 410 420 430 440 450 450 450 470 480 490 500 510 520 530 540	3.63 3.69 3.75 3.80 3.86 3.97 4.03 4.08 4.14 4.19 4.25 4.35 4.41 4.46 4.51 4.56 4.62 4.67	1.5858 1.5899 1.5970 1.6039 1.6106 1.6172 1.6237 1.6361 1.6424 1.6484 1.6543 1.6601 1.6658 1.6714 1.6770 1.6824 1.6983 1.6983 1.6983 1.7034 1.7085	1195.3 1201.1 1206.8 1212.4 1218.0 1223.6 1229.1 1234.5 1239.9 1245.3 1250.6 1255.9 1261.2 1271.7	3.60 3.66 3.71 3.77 3.83 3.88 3.94 4.00 4.05 4.10 4.16 4.21 4.21 4.32 4.37 4.48 4.53 4.58 4.63	1.5852 1.5888 1.5959 1.6028 1.6096 1.6162 1.6227 1.6291 1.6353 1.6414 1.6474 1.6533 1.6591 1.6648 1.6704 1.6868 1.6921 1.6973 1.7025	1195.1 1200.9 1206.6 1212.2 1217.8 1223.4 1228.9 1234.3 1239.7 1245.1 1250.5 1255.8 1261.1 1266.3 1271.5	3.57 3.62 3.68 3.74 3.80 3.91 3.96 4.02 4.07 4.12 4.18 4.23 4.28 4.34 4.49 4.54 4.59 4.65	1.5845 1.5877 1.5948 1.6017 1.6085 1.6151 1.6216 1.6281 1.63404 1.6464 1.6523 1.6581 1.6695 1.6695 1.6859 1.6964 1.7015	1194.9 1200.7 1206.4 1212.0 1217.6 1223.2 1234.2 1239.6 1245.0 1250.3 1255.6 1260.9 1271.4 1276.6 1281.8 1287.0 1292.2 1297.3	3.54 3.59 3.65 3.71 3.77 3.82 3.88 3.93 3.98 4.04 4.25 4.30 4.25 4.30 4.46 4.51 4.56 4.61	[346.2] 1.5838 1.5866 1.5937 1.6007 1.6075 1.6141 1.6206 1.6271 1.6333 1.6394 1.6454 1.6513 1.6572 1.6685 1.6740 1.6795 1.6849 1.6902 1.6955 1.7006	1194.6 1200.4 1206.2 1211.9 1217.5 1223.0 1228.5 1234.0 1239.4 1244.8 1250.2 1255.5 1260.8 1271.3 1276.5 1281.7 1286.9 1292.1 1297.2
350 360 370 380 390 410 410 420 430 440 450 450 450 510 520 530 530 530 550 650 700	3.63 3.69 3.75 3.80 3.86 3.97 4.03 4.08 4.14 4.19 4.25 4.30 4.35 4.41 4.51 4.51 4.52 4.62 4.67 4.72 4.98 5.23 5.48	1.5858 1.5899 1.5970 1.6039 1.6106 1.6172 1.6361 1.6361 1.6361 1.6424 1.6484 1.6543 1.66714 1.6770 1.6824 1.6878 1.6931 1.7034 1.7035 1.7035	1195.3 1201.1 1206.8 1212.4 1218.0 1223.6 1229.1 1234.5 1239.9 1245.3 1250.6 1255.9 1261.2 1266.4 1271.7 1276.9 1282.0 1287.2 1292.4 1297.5 1302.6 1328.0 1328.0 1328.0	3.60 3.66 3.71 3.77 3.83 3.88 3.94 4.00 4.05 4.10 4.16 4.21 4.27 4.32 4.37 4.48 4.53 4.63 4.63 4.68 4.94 5.19 5.44	1.5852 1.5888 1.5959 1.6028 1.6096 1.6162 1.6227 1.6291 1.6353 1.6414 1.6533 1.6591 1.6648 1.6704 1.6760 1.6814 1.6868 1.6921 1.6973 1.7025 1.7076 1.7322	1195.1 1200.9 1206.6 1212.2 1217.8 1223.4 1223.4 1234.3 1239.7 1245.1 1250.5 1255.8 1261.1 1266.3 1271.5 1276.7 1281.9 1287.1 1292.3 1297.4	3.57 3.62 3.68 3.74 3.80 3.91 3.96 4.02 4.07 4.12 4.18 4.28 4.34 4.34 4.54 4.54 4.59	1.5845 1.5877 1.5948 1.6017 1.6085 1.6151 1.6216 1.6281 1.6343 1.6404 1.6464 1.6523 1.6581 1.6639 1.6695 1.6750 1.6859 1.6912 1.6964 1.7015 1.7016	1194.9 1206.4 1212.0 1217.6 1223.2 1228.7 1234.2 1239.6 1245.0 1250.3 1255.6 1260.9 1266.2 1271.4 1276.6 1281.8 1287.3 1297.3 1302.4 1327.9 1353.2 1353.2	3.54 3.59 3.65 3.71 3.77 3.82 3.88 3.93 3.98 4.04 4.09 4.14 4.25 4.30 4.35 4.40 4.51 4.56 4.61 4.86	1.5838 1.5866 1.5937 1.6007 1.6007 1.6141 1.6206 1.6271 1.6333 1.6394 1.6454 1.6513 1.6572 1.6685 1.6740 1.6902 1.6902 1.6905 1.7006	1194.6 1206.4 1206.2 1211.9 1217.5 1223.0 1223.0 1239.4 1244.8 1250.2 1255.5 1260.8 1266.1 1271.3 1276.5 1281.7 1286.9 1292.1 1297.2
350 360 370 380 390 410 420 430 440 450 450 450 450 500 500 500 540	3.63 3.69 3.75 3.80 3.86 3.97 4.03 4.08 4.14 4.19 4.25 4.30 4.35 4.41 4.46 4.56 4.62 4.67 4.72 4.98 5.23	1.5858 1.5899 1.5970 1.6039 1.6106 1.6172 1.6237 1.6361 1.6424 1.6484 1.6543 1.6601 1.6658 1.6714 1.6770 1.6824 1.6983 1.6983 1.6983 1.7034 1.7085	1195.3 1201.1 1206.8 1212.4 1218.0 1223.6 1229.1 1234.5 1239.9 1245.3 1250.6 1255.9 1261.2 1266.4 1271.7 1276.9 1282.0 1287.2 1292.4 1297.5	3.60 3.66 3.71 3.77 3.83 3.88 4.00 4.05 4.10 4.16 4.21 4.27 4.32 4.37 4.48 4.53 4.63 4.63 4.68 4.94 5.19	1.5852 1.5888 1.5959 1.6028 1.6096 1.6162 1.6227 1.6291 1.6353 1.6414 1.6474 1.6533 1.6591 1.6648 1.6760 1.6868 1.6921 1.6973 1.7025	1195.1 1200.9 1212.2 1217.8 1223.4 1223.4 1223.9 1234.3 1239.7 1245.1 1250.5 1255.8 1261.1 1266.3 1271.5 1276.7 1287.1 1292.3 1297.4	3.57 3.62 3.68 3.74 3.80 3.85 3.91 3.96 4.02 4.07 4.12 4.18 4.23 4.23 4.24 4.34 4.44 4.54 4.54 4.59 4.65 4.90 5.15	1.5845 1.5877 1.5948 1.6017 1.6085 1.6151 1.6281 1.6343 1.6464 1.6523 1.6581 1.6639 1.6695 1.6750 1.6859 1.695 1.6954 1.7015	1194.9 1200.7 1217.6 1212.0 1217.6 1223.2 1234.2 1239.6 1245.0 1255.6 1260.9 1266.2 1271.4 1276.6 1281.8 1287.0 1292.2 1297.3	3.54 3.59 3.65 3.71 3.77 3.82 3.88 3.93 3.98 4.04 4.25 4.30 4.42 4.43 4.45 4.46 4.51 4.56 4.61 4.86 5.11	1.5838 1.5866 1.5937 1.6007 1.6075 1.6141 1.6206 1.6271 1.6333 1.6394 1.6454 1.6513 1.6572 1.6685 1.6740 1.6902 1.6955 1.6955 1.7006	1194.6 1200.4 1211.9 1217.5 1223.0 1228.5 1234.0 1239.4 1244.8 1250.2 1255.5 1260.8 1266.1 1271.3 1276.5 1286.9 1297.2

Pres- sure		129 [346.8]			130 [347-4]			131 [347-9]			132 [348.5]	
Temp F.	▼	8	i	▼		i	▼		i	•	•	i
Sat.	3.49	1.5832	1192.5	3.46	1.5825	1192.6	3-44	1.5819	1192.7	3.4I	1.5812	1192.9
850	3.51	1.5855	1194.4	3.48	1.5844	1194.2	3.45	1.5833	1194.0	3.42	1.5823	1193.7
360	3.56	1.5926	1200.2	3.54	1.5916	1200.0	3.51	1.5905	1199.8	3.48	1.5895	1199.6
370	3.62	1.5996	1206.0	3.59	1.5986	1205.8	3.56	1.5975	1205.6	3.53	1.5965	1205.4
380 390	3.68 3.73	1.6064	1211.7	3.65 3.70	1.6054	1211.5	3.62 3.67	1.6043	1211.3	3.59 3.64	1.6033	1211.1 1216.7
400	3.79	1.6196	1222.9	3.76	1.6186	1222.7	3.73	1.6176	1222.5	3.70	1.6166	1222.3
410	3.84	1.6260	1228.4	3.81	1.6250	1228.2	3.78	1.6240	1228.0	3.75	1.6230	1227.9
420	3.90	1.6323	1233.9	3.87	1.6313	1233.7	3.84	1.6303	1233.5	3.81	1.6293	1233.4
430	3.95	1.6384	1239.3	3.92	1.6374	1239.1	3.89	1.6364	1239.0	3.86	1.6354	1238.8
440	4.00	1.6444	1244.7	3.97	1.6434	1244.5	3.94	1.6425	1244.4	3.91	1.6415	1244.2
450	4.06	1.6503	1250.1	4.03	1.6494	1249.9	3.99	1.6484	1249.8	3.96	1.6474	1249.6
460	4.11	1.6562	1255.4	4.08	1.6552	1255.2	4.05	1.6542	1255.1	4.01	1.6533	1255.0
470	4.16	1.6619	1260.7	4.13	1.6610	1260.5	4.10	1.6600	1260.4	4.07	1.6590	1260.3
480	4.21	1.6675	1265.9	4.18	1.6666	1265.8	4.15	1.6656	1265.7	4.12	1.6647	1265.6
490	4.27	1.6731	1271.2	4.23	1.6721	1271.1	4.20	1.6712	1271.0	4.17	1.6703	1270.9
500	4.32	1.6786	1276.4	4.28	1.6776	1276.3	4.25	1.6767	1276.2	4.22	1.6757	1276.1
510	4.37	1.6840	1281.6	4.34	1.6830	1281.5	4.30	1.6821	1281.4	4.27	1.6811	1281.3
520	4.42	1.6893	1286.8	4.39	1.6883	1 286.7	4.35	1.6874	1286.6	4.32	1.6865	1286.5
530	4.47	1.6945	1292.0	4.44	1.6936	1291.9	4.40	1.6927	1291.8	4.37	1.6917	1291.7
540	4.52	1.6997	1297.1	4.49	1.6987	1297.0	4-45	1.6978	1296.9	4.42	1.6969	1296.8
550	4.57	1.7048	1302.2	4.54	1.7039	1302.1	4.50	1.7029	1302.1	4.47	1.7020	1302.0
600	4.82	1.7294	1327.7	4.78	1.7285	1327.7	4.75	1.7276	1327.6	4.71	1.7267	1327.5
650	5.07	1.7528	1353.0	5.03	1.7519	1353.0	4.99	1.7510	1352.9	4.95	1.7501	1352.9
700	5.31	1.7751	1378.3	5.27	1.7742	1378.2	5.23	1.7733	1378.2	5.19	1.7724	1378.1
750	5.55	1.7964	1403.5	5.51	1.7955	1403.5	5.46	1.7946	1403.5	5.42	1.7938	1403.4
		133 [349.1]			134 [349-7]			135 [350.3]			136 [350.8]	
Sat.	2.20	[349.1]	1103.0	2.26	[349-7]	1102.1	3.24	[350-3]	1102.2	3.32	[350.8]	1102.3
Sat.	3.39	[349.1]	1193.0	3.36	[349-7]	1193.1	3.34	[350.3]	1193.2	3.32	[350.8]	1193.3
360	3.45	[349.1] 1.5806 1.5884	1199.4	3.42	[349·7] 1.5800 1.5874	1199.2	3.39	[350.3] 1.5793 1.5863	1198.9	3-37	[350.8] 1.5787 1.5853	1198.7
360 370	3.45 3.51	[349.1] 1.5806 1.5884 1.5954	1199.4	3.42 3.48	[349-7] 1.5800 1.5874 1.5944	1199.2 1205.0	3·39 3·45	[350.3] 1.5793 1.5863 1.5934	1198.9 1204.8	3·37 3·42	[350.8] 1.5787 1.5853 1.5924	1198.7 1204.5
360 370 380	3.45 3.51 3.56	[349.1] 1.5806 1.5884 1.5954 1.6023	1199.4 1205.2 1210.9	3.42 3.48 3.53	[349-7] 1.5800 1.5874 1.5944 1.6013	1199.2 1205.0 1210.7	3·39 3·45 3·50	[350.3] 1.5793 1.5863 1.5934 1.6003	1198.9 1204.8 1210.5	3·37 3·42 3·48	[350.8] 1.5787 1.5853 1.5924 1.5993	1198.7 1204.5 1210.3
360 370 380 390	3.45 3.51 3.56 3.62	[349.1] 1.5806 1.5884 1.5954 1.6023 1.6090	1199.4 1205.2 1210.9 1216.6	3.42 3.48 3.53 3.59	[349-7] 1.5800 1.5874 1.5944 1.6013 1.6080	1199.2 1205.0 1210.7 1216.4	3·39 3·45 3.50 3.56	[350-3] 1.5793 1.5863 1.5934 1.6003 1.6070	1198.9 1204.8 1210.5 1216.2	3·37 3·42 3·48 3·53	[350.8] 1.5787 1.5853 1.5924 1.5993 1.6060	1198.7 1204.5 1210.3 1216.0
360 370 380 390	3.45 3.51 3.56 3.62	[349.1] 1.5866 1.5884 1.5954 1.6023 1.6090 1.6156	1199.4 1205.2 1210.9 1216.6	3.42 3.48 3.53 3.59 3.64	[349-7] 1.5800 1.5874 1.5944 1.6013 1.6080 1.6146	1199.2 1205.0 1210.7 1216.4	3.39 3.45 3.50 3.56 3.61	[350-3] 1.5793 1.5863 1.5934 1.6003 1.6070 1.6136	1198.9 1204.8 1210.5 1216.2	3·37 3·42 3·48 3·53	[350.8] 1.5787 1.5853 1.5924 1.5993 1.6060 1.6126	1198.7 1204.5 1210.3 1216.0
360 370 380 390 400 410	3.45 3.51 3.56 3.62 3.67 3.72	[349.1] 1.5806 1.5884 1.5954 1.6023 1.6090 1.6156 1.6220	1199.4 1205.2 1210.9 1216.6	3.42 3.48 3.53 3.59 3.64 3.69	[349-7] 1.5800 1.5874 1.5944 1.6013 1.6080 1.6146 1.6210	1199.2 1205.0 1210.7 1216.4 1222.0 1227.5	3.39 3.45 3.50 3.56 3.61 3.66	[350.3] 1.5793 1.5863 1.5934 1.6003 1.6070 1.6136 1.6200	1198.9 1204.8 1210.5 1216.2 1221.8 1227.4	3·37 3·42 3·48 3·53 3·58 3·64	1.5787 1.5853 1.5924 1.5993 1.6060 1.6126 1.6190	1198.7 1204.5 1210.3 1216.0 1221.6 1227.2
360 370 380 390 400 410 420	3.45 3.51 3.56 3.62 3.67 3.72 3.78	[349.1] 1.5866 1.5884 1.5954 1.6023 1.6090 1.6156 1.6220 1.6283	1199.4 1205.2 1210.9 1216.6 1222.2 1227.7 1233.2	3.42 3.48 3.53 3.59 3.64 3.69 3.75	1.5800 1.5874 1.5944 1.6013 1.6080 1.6146 1.6210 1.6273	1199.2 1205.0 1210.7 1216.4 1222.0 1227.5 1233.0	3.39 3.45 3.50 3.56 3.61 3.66 3.72	[350.3] 1.5793 1.5863 1.5934 1.6003 1.6070 1.6136 1.6200 1.6263	1198.9 1204.8 1210.5 1216.2 1221.8 1227.4 1232.9	3·37 3·42 3·48 3·53 3·58 3·64 3.69	[350.8] 1.5787 1.5853 1.5924 1.5993 1.6060 1.6126 1.6190 1.6254	1198.7 1204.5 1210.3 1216.0 1221.6 1227.2 1232.7
360 370 380 390 400 410 420 430	3.45 3.51 3.56 3.62 3.67 3.72 3.78 3.83	[349.1] 1.5806 1.5884 1.5954 1.6023 1.6090 1.6156 1.6220 1.6283 1.6345	1199.4 1205.2 1210.9 1216.6 1222.2 1227.7 1233.2 1238.7	3.42 3.48 3.53 3.59 3.64 3.69 3.75 3.80	1.5800 1.5874 1.5944 1.6013 1.6080 1.6146 1.6210 1.6273 1.6335	1199.2 1205.0 1210.7 1216.4 1222.0 1227.5 1233.0 1238.5	3.39 3.45 3.50 3.56 3.61 3.66 3.72 3.77	[350.3] 1.5793 1.5863 1.5934 1.6003 1.6070 1.6136 1.6200 1.6263 1.6325	1198.9 1204.8 1210.5 1216.2 1221.8 1227.4 1232.9 1238.4	3.37 3.42 3.48 3.53 3.58 3.64 3.69 3.74	[350.8] 1.5787 1.5853 1.5924 1.5993 1.6060 1.6126 1.6190 1.6254 1.6316	1198.7 1204.5 1210.3 1216.0 1221.6 1227.2 1232.7 1238.2
360 370 380 390 400 410 420 430 440	3.45 3.51 3.56 3.62 3.67 3.72 3.78 3.83 3.83	[349.1] 1.5806 1.5884 1.5954 1.6023 1.6090 1.6156 1.6220 1.6283 1.6345 1.6405	1199.4 1205.2 1210.9 1216.6 1222.2 1227.7 1233.2 1238.7 1244.1	3.42 3.48 3.53 3.59 3.64 3.69 3.75 3.80 3.85	1.5800 1.5874 1.5944 1.6013 1.6080 1.6146 1.6210 1.6273 1.6335 1.6396	1199.2 1205.0 1210.7 1216.4 1222.0 1227.5 1233.0 1238.5 1244.0	3.39 3.45 3.50 3.56 3.61 3.66 3.72 3.77 3.82	[350.3] 1.5793 1.5863 1.5934 1.6003 1.6070 1.6136 1.6200 1.6263 1.6325 1.6325 1.6386	1198.9 1204.8 1210.5 1216.2 1221.8 1227.4 1232.9 1238.4 1243.8	3·37 3·42 3·48 3·53 3·58 3·64 3·69 3·74 3·79	[350.8] 1.5787 1.5853 1.5924 1.5993 1.6060 1.6126 1.6190 1.6254 1.6316 1.6377	1198.7 1204.5 1210.3 1216.0 1221.6 1227.2 1232.7 1238.2 1243.7
360 370 380 390 400 410 420 430 440	3.45 3.51 3.56 3.62 3.67 3.72 3.78 3.83 3.88	[349.1] 1.5806 1.5884 1.5954 1.6023 1.6090 1.6156 1.6220 1.6283 1.6345 1.6405	1199.4 1205.2 1210.9 1216.6 1222.2 1227.7 1233.2 1238.7 1244.1	3.42 3.48 3.53 3.59 3.64 3.69 3.75 3.80 3.85	1.5800 1.5874 1.5944 1.6013 1.6080 1.6146 1.6210 1.6273 1.6335 1.6396	1199.2 1205.0 1210.7 1216.4 1222.0 1227.5 1233.0 1238.5 1244.0	3.39 3.45 3.50 3.56 3.61 3.66 3.72 3.77 3.82	[350.3] 1.5793 1.5863 1.5934 1.6003 1.6070 1.6136 1.6200 1.6263 1.6325 1.6386 1.6446	1198.9 1204.8 1210.5 1216.2 1221.8 1227.4 1232.9 1238.4 1243.8	3.37 3.42 3.48 3.53 3.58 3.64 3.69 3.74 3.79	[350.8] 1.5787 1.5853 1.5924 1.5993 1.6060 1.6126 1.6190 1.6254 1.6316 1.6377	1198.7 1204.5 1210.3 1216.0 1221.6 1227.2 1232.7 1238.2 1243.7
360 370 380 390 400 410 420 430 440 450 460	3.45 3.51 3.56 3.62 3.67 3.72 3.78 3.83 3.88 3.93 3.98	[349.1] 1.5806 1.5884 1.5954 1.6023 1.6090 1.6156 1.6220 1.6283 1.6345 1.6405 1.6465	1199.4 1205.2 1210.9 1216.6 1222.2 1227.7 1233.2 1238.7 1244.1	3.42 3.48 3.53 3.59 3.64 3.69 3.75 3.80 3.85 3.90 3.95	1.5800 1.5874 1.5944 1.6013 1.6080 1.6146 1.6210 1.6273 1.6335 1.6396	1199.2 1205.0 1210.7 1216.4 1222.0 1227.5 1233.0 1238.5 1244.0	3.39 3.45 3.50 3.56 3.61 3.66 3.72 3.77 3.82 3.87	[350.3] 1.5793 1.5863 1.5934 1.6003 1.6070 1.6136 1.6263 1.6285 1.6386 1.6446 1.6505	1198.9 1204.8 1210.5 1216.2 1221.8 1227.4 1232.9 1238.4 1243.8 1249.2	3.37 3.42 3.48 3.53 3.58 3.64 3.69 3.74 3.79 3.84 3.89	[350.8] 1.5787 1.5853 1.5924 1.5993 1.6060 1.6126 1.6254 1.6316 1.6377 1.6436 1.6495	1198.7 1204.5 1210.3 1216.0 1221.6 1227.2 1232.7 1238.2 1243.7
360 370 380 390 400 410 420 430 440 460 470	3.45 3.51 3.56 3.62 3.67 3.72 3.78 3.83 3.88 3.93 3.98 4.03	[349.1] 1.5806 1.5884 1.5954 1.6023 1.6090 1.6156 1.6223 1.6345 1.6405	1199.4 1205.2 1210.9 1216.6 1222.2 1227.7 1233.2 1238.7 1244.1 1249.5 1254.8 1260.2	3.42 3.48 3.53 3.59 3.64 3.69 3.75 3.80 3.85 3.90 3.95 4.00	1.5800 1.5874 1.5944 1.6013 1.6080 1.6146 1.6210 1.6233 1.6335 1.6336 1.6455 1.6514 1.6571	1199.2 1205.0 1210.7 1216.4 1222.0 1227.5 1233.0 1238.5 1244.0	3.39 3.45 3.50 3.56 3.61 3.66 3.72 3.77 3.82 3.87 3.92 3.97	[350-3] 1.5793 1.5863 1.5934 1.6003 1.6070 1.6136 1.6260 1.6263 1.6325 1.6386 1.6446 1.6505 1.6505	1198.9 1204.8 1210.5 1216.2 1221.8 1227.4 1232.9 1238.4 1243.8 1249.2 1254.6 1259.9	3.37 3.42 3.48 3.53 3.58 3.64 3.69 3.74 3.79 3.84 3.89 3.94	[350.8] 1.5787 1.5853 1.5924 1.5993 1.6060 1.6126 1.6396 1.6336 1.6377 1.6436 1.6495 1.6553	1198.7 1204.5 1210.3 1216.0 1227.2 1232.7 1238.2 1243.7 1249.1 1254.4 1259.8
360 370 380 390 400 410 420 430 440 460 470 480	3.45 3.51 3.56 3.62 3.67 3.72 3.78 3.83 3.88 3.93 4.03 4.08	[349.1] 1.5806 1.5884 1.5954 1.6023 1.6090 1.6156 1.6220 1.6283 1.6345 1.6405 1.6524 1.6581 1.6638	1199.4 1205.2 1210.9 1216.6 1222.2 1227.7 1233.2 1238.7 1244.1 1249.5 1254.8 1260.2	3.42 3.48 3.53 3.59 3.64 3.69 3.75 3.80 3.85 3.90 4.00	1.5800 1.5874 1.5944 1.6013 1.6080 1.6146 1.6210 1.6273 1.6335 1.6395 1.6514 1.6571 1.6528	1199.2 1205.0 1210.7 1216.4 1222.0 1227.5 1233.0 1238.5 1244.0 1249.4 1254.7 1260.0 1265.3	3.39 3.45 3.50 3.56 3.61 3.66 3.72 3.77 3.82 3.87 3.92 3.97 4.02	(35°.31) 1.5793 1.5863 1.5934 1.6003 1.6070 1.6136 1.6200 1.6263 1.6325 1.6386 1.6446 1.6505 1.6562 1.6562	1198.9 1204.8 1210.5 1216.2 1221.8 1227.4 1232.9 1238.4 1243.8 1249.2 1254.6 1259.9	3.37 3.42 3.48 3.53 3.58 3.64 3.69 3.74 3.79 3.84 3.89 3.94 3.99	[350.8] 1.5787 1.5853 1.5924 1.5993 1.6060 1.6126 1.6190 1.6254 1.6316 1.6377 1.6436 1.6455 1.6553	1198.7 1204.5 1210.3 1216.0 1227.2 1232.7 1238.2 1243.7 1249.1 1254.4 1259.8 1265.1
360 370 380 390 400 410 420 430 440 460 470	3.45 3.51 3.56 3.62 3.67 3.72 3.78 3.83 3.88 3.93 3.98 4.03	[349.1] 1.5806 1.5884 1.5954 1.6023 1.6090 1.6156 1.6223 1.6345 1.6405	1199.4 1205.2 1210.9 1216.6 1222.2 1227.7 1233.2 1238.7 1244.1 1249.5 1254.8 1260.2	3.42 3.48 3.53 3.59 3.64 3.69 3.75 3.80 3.85 3.90 3.95 4.00	1.5800 1.5874 1.5944 1.6013 1.6080 1.6146 1.6210 1.6233 1.6335 1.6336 1.6455 1.6514 1.6571	1199.2 1205.0 1210.7 1216.4 1222.0 1227.5 1233.0 1238.5 1244.0	3.39 3.45 3.50 3.56 3.61 3.66 3.72 3.77 3.82 3.87 3.92 3.97	[350-3] 1.5793 1.5863 1.5934 1.6003 1.6070 1.6136 1.6260 1.6263 1.6325 1.6386 1.6446 1.6505 1.6505	1198.9 1204.8 1210.5 1216.2 1221.8 1227.4 1232.9 1238.4 1243.8 1249.2 1254.6 1259.9	3.37 3.42 3.48 3.53 3.58 3.64 3.69 3.74 3.79 3.84 3.89 3.94	[350.8] 1.5787 1.5853 1.5924 1.5993 1.6060 1.6126 1.6396 1.6336 1.6377 1.6436 1.6495 1.6553	1198.7 1204.5 1210.3 1216.0 1221.6 1227.2 1232.7 1238.2 1243.7 1249.1 1254.4 1259.8
360 370 380 390 400 410 420 430 440 450 460 470 480 490	3.45 3.51 3.56 3.62 3.67 3.78 3.78 3.83 3.88 3.93 4.03 4.03 4.13	[349.1] 1.5806 1.5884 1.5954 1.6023 1.6090 1.6156 1.62283 1.6345 1.6465 1.6524 1.6581 1.6638 1.6693	1199.4 1205.2 1210.9 1216.6 1222.2 1227.7 1233.2 1238.7 1244.1 1249.5 1254.8 1260.2 1265.5 1270.7	3.42 3.48 3.53 3.59 3.64 3.69 3.75 3.80 3.85 3.95 4.00 4.05 4.10	1.5800 1.5874 1.5944 1.6013 1.6080 1.6146 1.6210 1.6273 1.6335 1.6335 1.6534 1.6571 1.6528 1.6628 1.6684	1199.2 1205.0 1210.7 1216.4 1222.0 1227.5 1233.0 1238.5 1244.0 1265.3 1270.6	3.39 3.45 3.50 3.56 3.61 3.66 3.72 3.77 3.82 3.97 4.02 4.07	[35°.3] 1.5793 1.5863 1.5934 1.6003 1.6070 1.6126 1.6263 1.6325 1.6386 1.6446 1.6505 1.6562 1.6619 1.6675	1198.9 1204.5 1210.5 1216.2 1221.8 1227.4 1232.9 1238.4 1243.8 1249.2 1254.6 1259.9 1265.2 1270.5	3.37 3.42 3.48 3.53 3.58 3.64 3.69 3.74 3.79 3.84 3.89 3.94 4.04	[350.8] 1.5787 1.5853 1.5924 1.5993 1.6060 1.6126 1.6326 1.6377 1.6436 1.6495 1.6553 1.6610 1.6665	1198.7 1204.5 1210.3 1216.0 1221.6 1227.2 1232.7 1238.2 1243.7 1249.1 1259.8 1265.1 1270.4
360 370 380 390 410 410 420 430 440 450 460 470 480 490 510	3.45 3.56 3.62 3.67 3.72 3.78 3.83 3.83 3.93 4.03 4.03 4.13	[349.1] 1.5806 1.5884 1.5954 1.6023 1.6090 1.6156 1.6220 1.6283 1.6345 1.6405 1.6524 1.6581 1.6693 1.6748 1.6693	1199.4 1205.2 1210.9 1216.6 1222.2 1227.7 1233.2 1238.7 1244.1 1249.5 1254.8 1260.2 1265.5 1270.7	3.42 3.48 3.53 3.59 3.64 3.69 3.75 3.80 3.85 3.90 4.00 4.05 4.10	1.5800 1.5874 1.5944 1.6013 1.6080 1.6146 1.6210 1.6233 1.6335 1.6335 1.65514 1.6571 1.6528 1.6684 1.6739 1.6739	1199.2 1205.0 1210.7 1216.4 1222.0 1227.5 1233.0 1244.0 1249.4 1254.7 1260.0 1265.3 1270.6	3.39 3.45 3.50 3.56 3.61 3.66 3.77 3.82 3.87 3.97 4.02 4.07	(35°.31) 1.5793 1.5863 1.5934 1.6003 1.6070 1.6136 1.6200 1.6235 1.6325 1.6366 1.6505 1.6562 1.6619 1.6675 1.6730 1.6784	1198.9 1204.8 1210.5 1216.2 1221.8 1227.4 1232.9 1238.4 1243.8 1249.2 1254.6 1259.9 1265.2 1270.5	3.37 3.42 3.48 3.53 3.58 3.64 3.69 3.74 3.79 3.84 3.94 3.99 4.04	[350.8] 1.5787 1.5853 1.5924 1.5993 1.6060 1.6126 1.6396 1.6336 1.6377 1.6436 1.6553 1.6610 1.6665	1198.7 1204.5 1210.3 1216.3 1221.6 1227.2 1232.7 1238.2 1243.7 1249.1 1254.4 1259.8 1265.1 1270.4
360 370 380 390 400 410 420 430 440 450 460 470 480 490 510 520	3.45 3.56 3.62 3.67 3.78 3.83 3.88 3.93 4.03 4.08 4.13 4.18 4.23 4.28	[349.1] 1.5806 1.5884 1.5954 1.6023 1.6090 1.6156 1.6220 1.6283 1.6345 1.6465 1.65284 1.65281 1.6638 1.6693	1199.4 1205.2 1210.9 1216.6 1222.2 1227.7 1233.2 1238.7 1244.1 1249.5 1254.8 1260.2 1265.5 1270.7	3.42 3.48 3.53 3.59 3.64 3.69 3.75 3.80 3.85 3.90 4.05 4.10 4.15 4.20 4.25	1.5800 1.5874 1.5944 1.6013 1.6080 1.6146 1.6210 1.6273 1.6335 1.6395 1.65514 1.65514 1.6571 1.6628 1.6684	1199.2 1205.0 1210.7 1216.4 1222.0 1227.5 1233.0 1244.0 1254.7 1260.0 1265.3 1270.6	3.39 3.45 3.50 3.56 3.61 3.66 3.77 3.82 3.87 3.97 4.02 4.07	(35°.31) 1.5793 1.5863 1.5934 1.6003 1.6070 1.6136 1.6200 1.6263 1.6326 1.6346 1.6505 1.6502 1.6619 1.6675	1198.9 1204.8 1210.5 1216.2 1221.8 1227.4 1232.9 1238.4 1243.8 1249.2 1259.9 1265.2 1270.5	3.37 3.48 3.48 3.53 3.58 3.64 3.69 3.74 3.79 3.84 3.99 4.04 4.09 4.14 4.19	[350.8] 1.5787 1.5853 1.5924 1.5993 1.6060 1.6126 1.6190 1.6254 1.6316 1.6377 1.6436 1.6455 1.6553 1.6560 1.6721 1.6775 1.6828	1198.7 1204.5 1210.3 1216.0 1221.6 1227.2 1232.7 1238.2 1243.7 1254.4 1259.8 1265.1 1270.4
360 370 380 390 410 410 420 430 440 450 460 470 480 490 510	3.45 3.56 3.62 3.67 3.72 3.78 3.83 3.83 3.93 4.03 4.03 4.13	[349.1] 1.5806 1.5884 1.5954 1.6023 1.6090 1.6156 1.6220 1.6283 1.6345 1.6405 1.6524 1.6581 1.6693 1.6748 1.6693	1199.4 1205.2 1210.9 1216.6 1222.2 1227.7 1233.2 1238.7 1244.1 1249.5 1254.8 1260.2 1265.5 1270.7	3.42 3.48 3.53 3.59 3.64 3.75 3.80 3.75 3.80 3.95 4.00 4.10 4.15 4.25 4.30	1.5800 1.5874 1.5944 1.6013 1.6080 1.6146 1.6210 1.6233 1.6335 1.6335 1.65514 1.6571 1.6528 1.6684 1.6739 1.6739	1199.2 1205.0 1210.7 1216.4 1222.0 1227.5 1233.0 1244.0 1249.4 1254.7 1260.0 1265.3 1270.6	3.39 3.45 3.50 3.56 3.61 3.66 3.77 3.82 3.87 3.97 4.02 4.07	(35°.31) 1.5793 1.5863 1.5934 1.6003 1.6070 1.6136 1.6200 1.6235 1.6325 1.6366 1.6505 1.6562 1.6619 1.6675 1.6730 1.6784	1198.9 1204.8 1210.5 1216.2 1221.8 1227.4 1232.9 1238.4 1243.8 1249.2 1254.6 1259.9 1265.2 1270.5	3.37 3.42 3.48 3.53 3.58 3.64 3.69 3.74 3.79 3.84 3.94 3.99 4.04	[350.8] 1.5787 1.5853 1.5924 1.5993 1.6060 1.6126 1.6396 1.6336 1.6377 1.6436 1.6553 1.6610 1.6665	1198.7 1204.5 1210.3 1216.3 1221.6 1227.2 1232.7 1238.2 1243.7 1249.1 1254.4 1259.8 1265.1 1270.4
360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540	3.45 3.51 3.56 3.62 3.67 3.78 3.83 3.88 3.93 4.03 4.08 4.13 4.18 4.23 4.23 4.28	[349.1] 1.5806 1.5884 1.5954 1.6023 1.6090 1.6156 1.6223 1.6345 1.6405 1.6581 1.6581 1.6638 1.6693 1.6748 1.6856 1.6856 1.6908 1.6960	1199.4 1205.2 1210.9 1216.6 1222.2 1227.7 1233.2 1238.7 1244.1 1249.5 1254.8 1260.2 1265.5 1270.7	3.42 3.48 3.53 3.59 3.64 3.69 3.75 3.80 3.85 3.95 4.00 4.05 4.10 4.15 4.20 4.25 4.30	1.5800 1.5874 1.5944 1.6013 1.6080 1.6146 1.6210 1.6273 1.6335 1.6335 1.65514 1.6571 1.6628 1.6684 1.6739 1.6793 1.6846 1.6899 1.6951	1199.2 1205.0 1210.7 1216.4 1222.0 1227.5 1233.0 1238.5 1244.0 1265.3 1270.6 1275.9 1281.1 1286.3 1296.6	3.39 3.45 3.50 3.56 3.61 3.66 3.72 3.77 3.82 3.97 4.02 4.07 4.12 4.17 4.22 4.27	[350-3] 1.5793 1.5863 1.5934 1.6003 1.6070 1.6136 1.6200 1.6263 1.6325 1.6386 1.6505 1.6562 1.6619 1.6675 1.6730 1.6784 1.6837 1.6889 1.6942	1198.9 1204.5 1210.5 1216.2 1221.8 1227.4 1232.9 1238.4 1243.8 1249.2 1254.6 1259.9 1265.2 1270.5 1275.7 1280.9 1286.2 1291.4 1296.5	3.37 3.42 3.48 3.53 3.58 3.64 3.69 3.74 3.79 3.84 3.99 4.04 4.19 4.24 4.28	[350.8] 1.5787 1.5853 1.5924 1.5993 1.6060 1.6126 1.6326 1.6336 1.6377 1.6436 1.6495 1.6553 1.6610 1.6665 1.6721 1.6775 1.6828 1.6881 1.6933	1198.7 1204.5 1210.3 1216.0 1221.6 1227.2 1232.7 1238.2 1243.7 1249.1 1259.8 1265.1 1270.4 1275.6 1280.8 1280.1 1291.3 1296.4
360 370 380 390 400 410 420 430 440 450 450 450 510 520 530 540	3.45 3.56 3.62 3.67 3.72 3.78 3.83 3.83 3.93 4.03 4.03 4.13 4.23 4.23 4.33 4.38	[349.1] 1.5806 1.5884 1.5954 1.6023 1.6090 1.6156 1.6220 1.6283 1.6345 1.6405 1.6524 1.6581 1.6638 1.6693 1.6748 1.6802 1.6856 1.6908 1.7011	1199.4 1205.2 1210.9 1216.6 1222.2 1227.7 1233.2 1238.7 1244.1 1249.5 1260.2 1265.5 1270.7 1276.0 1281.2 1286.4 1291.6 1296.7	3.42 3.48 3.53 3.59 3.64 3.69 3.75 3.80 3.85 3.90 4.00 4.05 4.10 4.15 4.20 4.25 4.30 4.35	1.5800 1.5874 1.5944 1.6013 1.6080 1.6146 1.6210 1.6273 1.6335 1.6395 1.6455 1.6571 1.6571 1.65684 1.6739 1.6793 1.6846 1.6899 1.6951	1199.2 1205.0 1210.7 1216.4 1222.0 1227.5 1233.0 1238.5 1244.0 1265.3 1270.6 1275.9 1281.1 1286.3 1291.5 1296.6	3.39 3.45 3.50 3.56 3.61 3.66 3.77 3.82 3.97 4.02 4.07 4.12 4.27 4.32 4.37	(35°.31) 1.5793 1.5863 1.5934 1.6003 1.6070 1.6136 1.6200 1.6235 1.6325 1.6386 1.6346 1.6505 1.6562 1.6619 1.6673 1.6730 1.6784 1.6837 1.6890 1.6942	1198.9 1204.5 1210.5 1216.2 1221.8 1227.4 1232.9 1238.4 1243.8 1249.2 1254.6 1259.9 1265.2 1270.5 1275.7 1280.9 1286.2 1291.4 1296.5	3.37 3.42 3.48 3.53 3.58 3.64 3.69 3.74 3.79 3.84 3.94 3.99 4.04 4.19 4.24 4.28 4.33	[350.8] 1.5787 1.5853 1.5924 1.5993 1.6060 1.6126 1.6190 1.6253 1.6510 1.6565 1.6721 1.6775 1.6828 1.6933 1.6933	1198.7 1204.5 1210.3 1216.0 1221.6 1227.2 1232.7 1238.2 1243.7 1249.1 1259.8 1265.1 1270.4 1275.6 1280.8 1286.1 1291.3 1296.4
360 370 3380 3390 4400 4410 4420 4430 4440 450 460 470 480 490 500 5520 5520 5520 5520 600	3.45 3.51 3.56 3.62 3.67 3.78 3.83 3.88 3.98 4.03 4.13 4.18 4.23 4.33 4.38	[349.1] 1.5806 1.5884 1.5954 1.6023 1.6090 1.6156 1.6220 1.6283 1.6345 1.6405 1.6581 1.6638 1.6693 1.6748 1.6802 1.6856 1.6908 1.6908 1.7011 1.7259	1199.4 1205.2 1210.9 1216.6 1222.2 1227.7 1233.2 1238.7 1244.1 1249.5 1254.8 1260.2 1265.5 1270.7 1276.0 1281.2 1286.4 1291.6 1296.7	3.42 3.48 3.53 3.59 3.64 3.75 3.80 3.75 3.80 3.95 4.00 4.10 4.15 4.25 4.30 4.35 4.40 4.64	1.5800 1.5874 1.5944 1.6013 1.6080 1.6146 1.6210 1.6273 1.6335 1.6395 1.65514 1.65514 1.6571 1.6628 1.6684 1.6799 1.6899 1.6899 1.6951	1199.2 1205.0 1210.7 1216.4 1222.0 1227.5 1233.0 1238.5 1244.0 1254.7 1260.0 1265.3 1270.6 1275.9 1281.1 1286.3 1291.5 1296.6	3.39 3.45 3.50 3.56 3.61 3.62 3.77 3.82 3.87 3.92 4.07 4.12 4.17 4.22 4.27 4.32	(35°.31) 1.5793 1.5863 1.5934 1.6003 1.6070 1.6136 1.6200 1.6263 1.6325 1.6386 1.6446 1.6505 1.6502 1.6675 1.6730 1.6784 1.6837 1.6890 1.6942 1.6993 1.7241	1198.9 1204.8 1210.5 1216.2 1221.8 1227.4 1232.9 1238.4 1243.8 1249.2 1254.6 1259.9 1265.2 1270.5 1275.7 1280.9 1286.2 1291.4 1296.5	3.37 3.42 3.48 3.53 3.58 3.64 3.69 3.74 3.89 3.94 3.99 4.04 4.09 4.14 4.28 4.33 4.57	[350.8] 1.5787 1.5853 1.5924 1.5993 1.6060 1.6126 1.6190 1.6254 1.6316 1.6436 1.6455 1.6650 1.6655 1.6721 1.6828 1.6881 1.6933 1.6984 1.7233	1198.7 1204.5 1210.3 1216.0 1221.6 1227.2 1232.7 1238.2 1243.7 1254.4 1259.8 1265.1 1270.4 1275.6 1280.8 1286.1 1291.3 1296.4
360 370 380 380 380 390 410 420 430 440 450 460 470 480 490 500 5520 5520 5520 5540 650 650	3.45 3.51 3.56 3.62 3.72 3.78 3.83 3.88 3.98 4.03 4.08 4.13 4.18 4.23 4.23 4.33 4.38	1.5866 1.5884 1.5954 1.6023 1.6090 1.6156 1.6220 1.6283 1.6345 1.6405 1.6524 1.6524 1.6583 1.6693 1.6748 1.6802 1.6856 1.698 1.698	1199.4 1205.2 1210.9 1216.6 1222.2 1227.7 1233.2 1238.7 1244.1 1249.5 1254.8 1260.2 1265.5 1270.7 1276.0 1281.2 1286.4 1291.6 1291.6	3.42 3.48 3.53 3.59 3.64 3.69 3.75 3.80 3.85 3.95 4.00 4.15 4.20 4.25 4.20 4.30 4.35 4.40 4.48	1.5800 1.5874 1.5944 1.6013 1.6080 1.6146 1.6210 1.6273 1.6335 1.6336 1.6455 1.6514 1.6528 1.6628 1.6739 1.6739 1.6846 1.6899 1.6951	1199.2 1205.0 1210.7 1216.4 1222.0 1227.5 1233.0 1238.5 1244.0 1254.7 1260.0 1265.3 1270.6 1275.9 1281.1 1286.3 1296.6	3.39 3.45 3.50 3.56 3.61 3.66 3.72 3.77 3.82 3.97 4.07 4.12 4.17 4.22 4.27 4.32 4.37 4.50 4.84	(35°.31) 1.5793 1.5863 1.5934 1.6003 1.6136 1.6263 1.6325 1.6386 1.6446 1.6505 1.6562 1.6619 1.6675 1.6730 1.6784 1.6830 1.6932 1.6993 1.7241 1.7475	1198.9 1204.8 1210.5 1216.2 1221.8 1227.4 1232.9 1238.4 1243.8 1249.2 1254.6 1259.9 1265.2 1270.5 1275.7 1280.9 1280.9 1280.1 1291.4 1296.5	3.37 3.42 3.48 3.53 3.58 3.64 3.69 3.74 3.89 3.94 3.99 4.04 4.09 4.14 4.28 4.33 4.57 4.80	[350.8] 1.5787 1.5853 1.5924 1.5993 1.6060 1.6126 1.6376 1.6377 1.6436 1.6495 1.6553 1.6610 1.6665 1.6721 1.6775 1.6828 1.6933 1.6984 1.7233 1.7467	1198.7 1204.5 1210.3 1216.0 1221.6 1227.2 1232.7 1243.7 1249.1 1254.4 1259.8 1265.1 1270.4 1275.6 1280.8 1280.1 1296.4
360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 5520 5520 5520 600	3.45 3.51 3.56 3.62 3.67 3.78 3.83 3.88 3.98 4.03 4.13 4.18 4.23 4.33 4.38	[349.1] 1.5806 1.5884 1.5954 1.6023 1.6090 1.6156 1.6220 1.6283 1.6345 1.6405 1.6581 1.6638 1.6693 1.6748 1.6802 1.6856 1.6908 1.6908 1.7011 1.7259	1199.4 1205.2 1210.9 1216.6 1222.2 1227.7 1233.2 1238.7 1244.1 1249.5 1254.8 1260.2 1265.5 1270.7 1276.0 1281.2 1286.4 1291.6 1296.7	3.42 3.48 3.53 3.59 3.64 3.75 3.80 3.75 3.80 3.95 4.00 4.10 4.15 4.25 4.30 4.35 4.40 4.64	1.5800 1.5874 1.5944 1.6013 1.6080 1.6146 1.6210 1.6273 1.6335 1.6395 1.65514 1.65514 1.6571 1.6628 1.6684 1.6799 1.6899 1.6899 1.6951	1199.2 1205.0 1210.7 1216.4 1222.0 1227.5 1233.0 1238.5 1244.0 1254.7 1260.0 1265.3 1270.6 1275.9 1281.1 1286.3 1291.5 1296.6	3.39 3.45 3.50 3.56 3.61 3.62 3.77 3.82 3.87 3.92 4.07 4.12 4.17 4.22 4.27 4.32	(35°.31) 1.5793 1.5863 1.5934 1.6003 1.6070 1.6136 1.6200 1.6263 1.6325 1.6386 1.6446 1.6505 1.6502 1.6675 1.6730 1.6784 1.6837 1.6890 1.6942 1.6993 1.7241	1198.9 1204.8 1210.5 1216.2 1221.8 1227.4 1232.9 1238.4 1243.8 1249.2 1254.6 1259.9 1265.2 1270.5 1275.7 1280.9 1286.2 1291.4 1296.5	3.37 3.42 3.48 3.53 3.58 3.64 3.69 3.74 3.89 3.94 3.99 4.04 4.09 4.14 4.28 4.33 4.57	[350.8] 1.5787 1.5853 1.5924 1.5993 1.6060 1.6126 1.6190 1.6254 1.6316 1.6436 1.6455 1.6650 1.6655 1.6721 1.6828 1.6881 1.6933 1.6984 1.7233	1198.7 1204.5 1210.3 1216.0 1221.6 1227.2 1232.7 1238.2 1243.7 1254.4 1259.8 1265.1 1270.4 1275.6 1280.8 1286.1 1291.3 1296.4
360 370 380 390 410 420 430 440 450 450 450 500 510 520 550 650 700	3.45 3.51 3.56 3.62 3.67 3.78 3.83 3.88 3.98 4.03 4.08 4.13 4.23 4.28 4.23 4.28 4.33 4.43 4.51 5.15	[349.1] 1.5806 1.5884 1.5954 1.6023 1.6090 1.6156 1.6220 1.6283 1.6345 1.6465 1.6524 1.6581 1.6638 1.6693 1.6748 1.6802 1.6856 1.6908 1.7011 1.7259 1.7493 1.7715	1199.4 1205.2 1210.9 1216.6 1222.2 1238.7 1238.7 1244.1 1249.5 1254.8 1260.2 1265.5 1270.7 1276.0 1281.2 1282.4 1291.6 1296.7	3.42 3.48 3.53 3.59 3.64 3.69 3.75 3.80 3.95 4.00 4.05 4.10 4.15 4.20 4.20 4.30 4.35 4.40 4.48 5.11	1.5800 1.5874 1.5944 1.6013 1.6080 1.6146 1.6210 1.6273 1.6335 1.6335 1.65514 1.6571 1.6628 1.6684 1.6799 1.6793 1.6846 1.6899 1.6951	1199.2 1205.0 1210.7 1216.4 1222.0 1227.5 1233.0 1238.5 1244.0 1265.3 1270.6 1275.9 1281.1 1286.3 1291.5 1296.6	3.39 3.45 3.50 3.56 3.61 3.66 3.72 3.77 3.82 3.97 4.02 4.07 4.12 4.17 4.27 4.32 4.37 4.36 4.37 4.36 4.37	(35°.31) 1.5793 1.5863 1.5934 1.6003 1.6070 1.6136 1.6263 1.6325 1.6386 1.6325 1.6386 1.6446 1.6505 1.6562 1.6619 1.6675 1.6784 1.6890 1.6993 1.7475 1.7698	1198.9 1204.8 1210.5 1216.2 1221.8 1227.4 1232.9 1238.4 1243.8 1249.2 1254.6 1259.9 1265.2 1270.5 1275.7 1280.9 1286.2 1291.4 1296.5 1301.7 1327.3 1352.7 1352.7	3.37 3.42 3.48 3.53 3.58 3.64 3.79 3.84 3.89 3.94 3.99 4.04 4.19 4.24 4.28 4.33 4.57 5.03	[350.8] 1.5787 1.5853 1.5924 1.5993 1.6060 1.6126 1.6316 1.6377 1.6436 1.6495 1.6553 1.6610 1.6665 1.6721 1.6775 1.6888 1.6881 1.6984 1.7233 1.7467 1.7690	1198.7 1204.5 1210.3 1216.0 1221.6 1227.2 1238.2 1243.7 1249.1 1254.4 1259.8 1265.1 1270.4 1275.6 1280.8 1286.1 1291.3 1296.4

TABLE 3. SUPERHEATED STEAM

sure		137 [351.4]			138 [352.0]			139 [352.5]			140 [353-1]	
Temp P.	•	8	i	•		i	▼		i	▼	8	i
	3.29	1.5781	1193.4	3.27	1.5775	1193.5	3.25	1.5769	1193.6	3.23	1.5762	1193.7
	3-34	1.5843	1198.5	3.31	1.5833	1198.3	3.29	1.5823	1198.1	3.26	1.5813	1197.9
	3.40	1.5914	1204.3	3.37	1.5904	1204.1	3.34	1.5894	1203.9	3.32	1.5884	1203.7
	3.45	1.5983	1210.1	3.42	1.5973	1209.9	3.40	1.5963	1209.7	3.37	1.5953	1209.5
	3.50	1.6050	1215.8	3.48	1.6040	1215.6	3-45	1.6031	1215.4	3.42		1215.2
400	3.56	1.6116	1221.4	3.53	1.6106	1221.3	3.50	1.6097	1221.1	3.48	1.6087	1220.9
	3.61 3.66	1.6181	1227.0	3.58	1.6171	1226.9	3.55 3.60	1.6162	1226.7	3.53 3.58	1.6152	1226.5
430	3.71	1.6306	1232.6	3.63 3.68	1.6297	1232.4	3.65	1.6287	1232.2	3.63	1.6278	1232.1 1237.6
	3.76	1.6367	1243.5	3.73	1.6358	1243.4	3.71	1.6348	1243.2	3.68	1.6339	1243.1
	3.81	1.6427	1248.9	3.78	1.6418	1248.8	3.76	1.6409	1248.6	3.73	1.6400	1248.5
	3.86	1.6486	1254.3	3.83	1.6477	1254.2	3.81	1.6467	1254.0	3.78	1.6458	1253.9
	3.91 3.96	1.6544 1.6600	1259.6 1265.0	3.88	1.6535	1259.5	3.85	1.6526	1259.4	3.83 3.87	1.6517 1.6573	1259.3 1264.6
	4.0I	1.6656	1270.3	3.93 3.98	1.6647	1270.1	3.90 3.95	1.6638	1270.0	3.92	1.6629	1269.9
500	4.06	1.6711	1275.5	4.03	1.6702	1275.4	4.00	1.6693	1275.3	3-97	1.6685	1275.2
510	4.11	1.6766	1280.7	4.08	1.6757	1280.6	4.05	1.6748	1280.5	4.02	1.6739	1280.4
520	4.15	1.6819	1286.0	4.12	1.6810	1285.9	4.09	1.6801	1285.7	4.06	1.6793	1285.6
	4.20 4.25	1.6872 1.6924	1291.2	4.17	1.6863	1291.1	4.14 4.19	1.6854 1.6906	1291.0	4.11 4.16	1.6846	1290.9
:	_								_	,		
	4.30	1.6975	1301.5	4.27	1.6966	1301.4	4.24	1.6958	1301.3	4.21	1.6949	1301.2
- 1	4·53 4·77	1.7224	1327.I 1352.5	4.50 4.73	1.7215	1327.1 1352.5	4·47 4.70	1.7206 1.7441	1327.0	4.44 4.66	1.7198	1326.9 1352.4
650		/		4.96	1.7673	1377.8	4.92	1.7664	1377.8	4.89	1.7656	1377.7
- ,		1.7681	I377.9	4.40								
- 1	5.00 5.22	1.7681	1377.9	5.18	1.7887	1403.2	5.14	1.7878	1403.1	5.11	1.7870	1403.1
700 750	5.00			5.18 5.41		1403.2	5.14	1.7878	1403.1	5.11	1.7870	1403.1
700 750	5.00 5.22	1.7895	1403.2	5.18	1.7887		-			-		
700 750 800	5.00 5.22	1.7895 1.8101	1403.2	5.18	1.7887		-	1.8084		-	1.8076	
700 750 800 Sat. 360	5.00 5.22 5.45 3.20 3.24	1.7895 1.8101 141 [353-6] 1.5756 1.5803	1403.2 1428.6 1193.8 1197.6	5.18 5.41 3.18 3.21	1.7887 1.8092 142 [354-2] 1.5750 1.5793	1428.6 1193.9 1197.4	3.16 3.19	1.8084 143 [354.8] 1.5744 1.5783	1428.5 1194.0 1197.2	5·33 3·14 3·17	1.8076 144 [355.3] 1.5738 1.5773	1428.5 1194.1 1197.0
700 750 800 Sat. 360 370	5.00 5.22 5.45 3.20 3.24 3.29	1.7895 1.8101 141 [353-6] 1.5756 1.5803 1.5874	1403.2 1428.6 1193.8 1197.6 1203.5	3.18 3.21 3.21	1.7887 1.8092 142 [354.2] 1.5750 1.5793 1.5864	1428.6 1193.9 1197.4 1203.3	3.16 3.19 3.24	1.8084 143 [354.8] 1.5744 1.5783 1.5854	1428.5 1194.0 1197.2 1203.1	3.14 3.17 3.22	1.8076 144 [355.3] 1.5738 1.5773 1.5844	1428.5 1194.1 1197.0 1202.9
700 750 800 Sat. 360 370 380	5.00 5.22 5.45 3.20 3.24 3.29 3.34	1.7895 1.8101 141 [353-6] 1.5756 1.5803 1.5874 1.5943	1403.2 1428.6 1193.8 1197.6 1203.5 1209.3	3.18 3.21 3.27 3.32	1.7887 1.8092 142 [354-2] 1.5750 1.5793 1.5864 1.5934	1428.6 1193.9 1197.4 1203.3 1209.1	3.16 3.19 3.24 3.29	1.8084 143 [354.8] 1.5744 1.5783 1.5854 1.5924	1428.5 1194.0 1197.2 1203.1 1208.9	3.14 3.17 3.22 3.27	1.8076 144 [355.3] 1.5738 1.5773 1.5844 1.5914	1428.5 1194.1 1197.0 1202.9 1208.7
700 750 800 Sat. 360 370 380 390	5.00 5.22 5.45 3.20 3.24 3.29 3.34 3.40	1.7895 1.8101 141 [333-6] 1.5756 1.5803 1.5874 1.5943 1.6011	1403.2 1428.6 1193.8 1197.6 1203.5 1209.3 1215.1	5.18 5.41 3.18 3.21 3.27 3.32 3.37	1.7887 1.8092 142 [354.2] 1.5750 1.5793 1.5864 1.5934 1.6002	1428.6 1193.9 1197.4 1203.3 1209.1 1214.9	3.16 3.19 3.24 3.29 3.35	1.8084 143 [354.8] 1.5744 1.5783 1.5854 1.5992 1.5992	1428.5 1194.0 1197.2 1203.1 1208.9 1214.7	5-33 3.14 3.17 3.22 3.27 3.32	1.8076 144 [335.3] 1.5738 1.5773 1.5844 1.5914 1.5983	1428.5 1194.1 1197.0 1202.9 1208.7 1214.5
700 750 800 Sat. 360 370 380 390 400	5.00 5.22 5.45 3.20 3.24 3.29 3.34 3.40	1.7895 1.8101 141 [333-6] 1.5756 1.5803 1.5874 1.5943 1.6011 1.6078	1403.2 1428.6 1193.8 1197.6 1203.5 1209.3 1215.1	3.18 3.21 3.27 3.32 3.37 3.42	1.7887 1.8092 142 [354.2] 1.5750 1.5793 1.5864 1.5934 1.6002	1193.9 1197.4 1203.3 1209.1 1214.9	3.16 3.19 3.24 3.29 3.35 3.40	1.8084 143 [354.8] 1.5744 1.5783 1.5854 1.5924 1.5992 1.6059	1194.0 1197.2 1203.1 1208.9 1214.7	5-33 3.14 3.17 3.22 3.27 3.32 3.37	1.8076 144 [355-3] 1.5773 1.5844 1.5914 1.5983 1.6049	1428.5 1194.1 1197.0 1202.9 1208.7 1214.5
700 750 800 Sat. 360 370 380 390 400 410	5.00 5.22 5.45 3.20 3.24 3.24 3.34 3.40 3.45 3.50	1.7895 1.8101 141 [353.6] 1.5756 1.5803 1.5874 1.5943 1.6011 1.6078 1.6143	1403.2 1428.6 1193.8 1197.6 1203.5 1209.3 1215.1 1220.7 1226.3	3.18 3.21 3.32 3.37 3.42 3.47	1.7887 1.8092 142 [354-2] 1.5750 1.5793 1.5864 1.5934 1.6068 1.6133	1193.9 1197.4 1203.3 1209.1 1214.9 1220.6 1226.2	3.16 3.19 3.24 3.29 3.35 3.40 3.45	1.8084 143 [354.8] 1.5744 1.5783 1.5854 1.5992 1.6059 1.6059	1194.0 1197.2 1203.1 1208.9 1214.7 1220.4 1226.0	3.14 3.17 3.22 3.27 3.32 3.37 3.42	1.8076 144 [355.3] 1.5738 1.5773 1.5844 1.5914 1.5983 1.6049 1.6115	1194.1 1197.0 1202.9 1208.7 1214.5
700 750 800 Sat. 360 370 380 390 400 410 420	5.00 5.22 5.45 3.20 3.24 3.29 3.34 3.40	1.7895 1.8101 141 [333-6] 1.5756 1.5803 1.5874 1.5943 1.6011 1.6078	1403.2 1428.6 1193.8 1197.6 1203.5 1209.3 1215.1 1220.7 1226.3 1231.9	3.18 3.21 3.27 3.32 3.37 3.42 3.47 3.52	1.7887 1.8092 142 [354.2] 1.5750 1.5793 1.5864 1.5934 1.6002	1193.9 1197.4 1203.3 1209.1 1214.9	3.16 3.19 3.24 3.29 3.35 3.40 3.45 3.50	1.8084 143 [354.8] 1.5744 1.5783 1.5854 1.5924 1.5992 1.6059	1428.5 1194.0 1197.2 1203.1 1208.9 1214.7 1220.4 1226.0 1231.6	3.14 3.17 3.22 3.27 3.32 3.37 3.42 3.47	1.8076 144 [355-3] 1.5773 1.5844 1.5914 1.5983 1.6049	1428.5 1194.1 1197.0 1202.9 1208.7 1214.5
700 750 800 800 Sat. 360 370 380 390 400 410 420 430	5.00 5.22 5.45 3.20 3.24 3.29 3.34 3.40 3.45 3.50 3.55	1.7895 1.8101 141 [333-6] 1.5756 1.5803 1.5874 1.5043 1.6011 1.6078 1.6143 1.6207	1403.2 1428.6 1193.8 1197.6 1203.5 1209.3 1215.1 1220.7 1226.3	3.18 3.21 3.32 3.37 3.42 3.47	1.7887 1.8092 142 [354-2] 1.5750 1.5793 1.5864 1.6002 1.6068 1.6133 1.6197	1428.6 1193.9 1197.4 1203.3 1209.1 1214.9 1220.6 1226.2 1231.7	3.16 3.19 3.24 3.29 3.35 3.40 3.45	1.8084 143 [354.8] 1.5744 1.5783 1.5854 1.5924 1.5992 1.6059 1.6124 1.6188	1194.0 1197.2 1203.1 1208.9 1214.7 1220.4 1226.0	3.14 3.17 3.22 3.27 3.32 3.37 3.42	1.8076 144 [355.3] 1.5773 1.5844 1.5914 1.5983 1.6049 1.6115 1.6179	1428.5 1194.1 1197.0 1202.9 1214.5 1220.2 1225.8 1231.4
700 750 800 800 360 370 380 390 400 410 420 430 440	3.20 3.24 3.29 3.34 3.40 3.45 3.50 3.55 3.60	1.7895 1.8101 141 [333-6] 1.5756 1.5803 1.5874 1.5943 1.6011 1.6078 1.6143 1.6207 1.6269 1.6330 1.6390	1403.2 1428.6 1197.6 1203.5 1209.3 1215.1 1220.7 1231.9 1237.4	3.18 3.21 3.27 3.32 3.37 3.42 3.47 3.52 3.57 3.62	1.7887 1.8092 142 [354.2] 1.5750 1.5793 1.5864 1.6002 1.6068 1.6197 1.6260 1.6321 1.6381	1193.9 1197.4 1203.3 1209.1 1214.9 1220.6 1231.7 1237.3 1242.8	3.16 3.19 3.24 3.29 3.35 3.40 3.45 3.50 3.55 3.60	1.8084 143 [354.8] 1.5744 1.5783 1.5854 1.5992 1.6059 1.6124 1.6188 1.6250	1194.0 1197.2 1203.1 1208.9 1214.7 1220.4 1226.0 1231.6	3.14 3.17 3.22 3.27 3.32 3.37 3.42 3.47 3.52	1.8076 144 [355-3] 1.5773 1.5844 1.5914 1.5983 1.6049 1.6179 1.6241 1.6303 1.6363	1428.5 1194.1 1197.0 1202.9 1214.5 1220.2 1225.8 1231.4 1237.0 1242.5
700 750 800 Sat. 360 370 380 390 400 410 420 430 440 460	3.20 3.24 3.24 3.34 3.45 3.50 3.55 3.60 3.65 3.70 3.75	1.7895 1.8101 141 [333-6] 1.5756 1.5803 1.5874 1.5943 1.6011 1.6078 1.6143 1.6207 1.6269 1.6330 1.6390 1.6349	1403.2 1428.6 1193.8 1197.6 1203.5 1215.1 1220.7 1231.9 1231.9 1237.4 1242.9	3.18 3.21 3.27 3.32 3.37 3.42 3.47 3.52 3.57 3.62 3.67	1.7887 1.8092 142 [354.2] 1.5750 1.5793 1.5864 1.5934 1.6068 1.6133 1.6197 1.6260 1.6321 1.6381 1.6381 1.6440	1428.6 1193.9 1197.4 1203.3 1209.1 1214.9 1226.6 1231.7 1237.3 1242.8 1248.2	3.16 3.19 3.24 3.29 3.35 3.40 3.45 3.50 3.55 3.60	1.8084 143 [354.8] 1.5744 1.5783 1.5854 1.5924 1.5992 1.6059 1.6128 1.6250 1.6312 1.6372 1.6372 1.6431	1428.5 1194.0 1197.2 1203.1 1208.9 1214.7 1220.4 1226.0 1231.6 1237.1 1242.6 1248.1 1253.5	3.14 3.17 3.22 3.32 3.37 3.32 3.37 3.42 3.47 3.52 3.57 3.62 3.67	1.8076 144 [355-3] 1.5738 1.5773 1.5844 1.5914 1.5983 1.6049 1.6115 1.6179 1.6241 1.6303 1.6363 1.6422	1428.5 1194.1 1197.0 1202.9 1208.7 1214.5 1220.8 1231.4 1237.0 1242.5 1247.9 1253.3
700 750 800 Sat. 360 370 380 390 400 410 430 440 450 460 470	3.20 3.24 3.34 3.45 3.55 3.60 3.65 3.70 3.75 3.80	1.7895 1.8101 141 13336 1.5756 1.5803 1.5874 1.5943 1.6011 1.6078 1.6143 1.6209 1.6330 1.6390 1.6449 1.6507	1403.2 1428.6 1193.8 1197.6 1203.5 1215.1 1220.7 1226.3 1231.9 1237.4 1242.9	3.18 3.21 3.27 3.32 3.37 3.42 3.47 3.57 3.62 3.67 3.77	1.7887 1.8092 142 [354-2] 1.5750 1.5793 1.5864 1.5934 1.6068 1.6133 1.6197 1.6260 1.6321 1.6381 1.6440 1.6440 1.6448	1428.6 1193.9 1197.4 1203.3 1209.1 1214.9 1220.6 1226.2 1231.7 1242.8 1248.2 1253.6 1259.0	3.16 3.19 3.24 3.29 3.35 3.40 3.45 3.50 3.55 3.60 3.65 3.69 3.74	1.8084 143 [354.8] 1.5744 1.5783 1.5854 1.5992 1.6059 1.6124 1.6128 1.6250 1.6372 1.6372 1.6431 1.6440	1194.0 1197.2 1203.1 1208.9 1214.7 1220.4 1221.6 1231.6 1237.1 1242.6	3.14 3.17 3.22 3.27 3.32 3.37 3.42 3.47 3.57 3.62 3.67 3.72	1.8076 144 [355.3] 1.5738 1.5773 1.5844 1.5983 1.6049 1.6115 1.6179 1.6241 1.6303 1.6363 1.6422 1.6481	1428.5 1194.1 1197.0 1202.9 1208.7 1214.5 1220.2 1225.8 1231.4 1237.0 1242.5 1247.9 1253.3 1258.7
700 750 800 Sat. 360 370 380 390 400 410 420 430 440 450 470 480	5.00 5.22 5.45 3.20 3.24 3.29 3.34 3.40 3.55 3.50 3.55 3.65 3.70 3.75 3.80 3.84	1.7895 1.8101 141 [333-6] 1.5756 1.5803 1.5874 1.5943 1.6011 1.6078 1.6143 1.6269 1.6340 1.6340 1.6340 1.6507 1.6507 1.6564	1403.2 1428.6 1193.8 1197.6 1203.5 1215.1 1220.7 1226.3 1231.9 1237.4 1242.9 1248.4 1259.1 1264.5	3.18 3.21 3.27 3.32 3.37 3.47 3.52 3.57 3.62 3.67 3.77 3.82	1.7887 1.8092 142 [354-2] 1.5750 1.5750 1.5750 1.5934 1.6002 1.6068 1.6133 1.6197 1.6260 1.6381 1.6341 1.6349 1.6349 1.6556	1428.6 1193.9 1197.4 1203.3 1209.1 1214.9 1220.6 1226.2 1231.7 1237.3 1242.8 1248.2 1253.6 1259.0 1264.3	3.16 3.19 3.24 3.29 3.35 3.40 3.45 3.50 3.55 3.60 3.65 3.74 3.79	1.8084 143 [354.8] 1.5744 1.5783 1.5854 1.5992 1.6059 1.6124 1.6128 1.6250 1.6372 1.6431 1.6430 1.64490 1.6547	1428.5 1194.0 1197.2 1203.1 1208.9 1214.7 1220.4 1226.0 1237.1 1242.6 1248.1 1253.5 1258.9 1264.2	3.14 3.17 3.22 3.27 3.32 3.47 3.42 3.47 3.52 3.67 3.62 3.67 3.76	1.8076 144 [355-3] 1.5773 1.5844 1.5983 1.6049 1.6115 1.6179 1.6241 1.6303 1.6363 1.6422 1.6481 1.6538	1428.5 1194.1 1197.0 1202.9 1208.7 1214.5 1220.2 1225.8 1231.4 1237.0 1242.5 1247.9 1253.3 1258.7 1264.1
700 750 800 Sat. 360 370 380 390 400 410 420 430 440 450 460 470 480 490	3.20 3.24 3.29 3.34 3.40 3.45 3.50 3.55 3.60 3.75 3.80 3.84 3.89	1.7895 1.8101 141 133.6] 1.5756 1.5803 1.5874 1.6011 1.6078 1.6143 1.6207 1.6269 1.6330 1.6390 1.6449 1.6507 1.6564 1.6620	1403.2 1428.6 1197.6 1203.5 1209.3 1215.1 1220.7 1226.3 1231.9 1237.4 1242.9 1248.4 1253.8 1259.1 1264.5 1269.8	3.18 3.21 3.27 3.32 3.37 3.42 3.57 3.62 3.67 3.72 3.77 3.82 3.86	1.7887 1.8092 142 [354.2] 1.5750 1.5793 1.5864 1.6002 1.6068 1.6197 1.6260 1.6321 1.6381 1.6440 1.6498 1.6556 1.6612	1193.9 1197.4 1203.3 1209.1 1214.9 1226.6 1231.7 1237.3 1242.8 1248.2 1253.6 1259.0 1264.3 1269.7	3.16 3.19 3.24 3.29 3.35 3.40 3.45 3.50 3.55 3.60 3.65 3.69 3.74 3.79 3.84	1.8084 143 [354.8] 1.5744 1.5783 1.5854 1.5992 1.6059 1.6124 1.6188 1.6250 1.6312 1.6372 1.6431 1.6490 1.6547 1.6603	1428.5 1194.0 1197.2 1203.1 1203.1 1214.7 1226.0 1231.6 1237.1 1242.6 1248.1 1253.5 1258.9 1264.2 1269.5	3.14 3.17 3.22 3.27 3.32 3.37 3.42 3.47 3.52 3.57 3.62 3.67 3.76 3.81	1.8076 144 1.5738 1.5738 1.5744 1.5914 1.5983 1.6049 1.6115 1.6179 1.6241 1.6303 1.6363 1.6422 1.6481 1.6538 1.6594	1428.5 1194.1 1197.0 1202.9 1208.7 1214.5 1220.2 1225.8 1231.4 1237.0 1242.5 1247.9 1253.3 1258.7 1269.4
700 750 800 Sat. 360 370 380 390 400 410 420 430 460 470 480 490 500	3.20 3.24 3.29 3.34 3.45 3.50 3.65 3.65 3.75 3.80 3.84 3.89 3.94	1.7895 1.8101 141 [3336] 1.5756 1.5803 1.5874 1.5943 1.6011 1.6078 1.6143 1.6207 1.6269 1.6330 1.6390 1.6449 1.6507 1.6564 1.6620 1.6676	1403.2 1428.6 1193.8 1197.6 1203.3 1215.1 1220.7 1231.9 1231.9 1237.4 1242.9 1248.4 1253.8 1259.1 1264.5 1269.8	3.18 3.21 3.27 3.32 3.37 3.42 3.57 3.62 3.67 3.77 3.82 3.86 3.91	1.7887 1.8092 142 [354.2] 1.5750 1.5793 1.5864 1.5934 1.6068 1.6133 1.6197 1.6260 1.6321 1.6381 1.6440 1.6498 1.6556 1.66612	1428.6 1193.9 1197.4 1203.3 1209.1 1214.9 1220.6 1226.2 1231.7 1237.3 1242.8 1248.2 1253.6 1259.0 1264.3 1269.7	3.16 3.19 3.24 3.29 3.35 3.40 3.45 3.55 3.60 3.65 3.69 3.74 3.79 3.84 3.88	1.8084 143 [354.8] 1.5744 1.5783 1.5854 1.5992 1.6059 1.6124 1.6188 1.6250 1.6372 1.6431 1.6490 1.6547 1.6603 1.6658	1428.5 1194.0 1197.2 1203.1 1208.9 1214.7 1220.4 1226.0 1231.6 1237.1 1242.6 1248.1 1253.5 1258.9 1264.2 1269.5	3.14 3.17 3.22 3.27 3.37 3.47 3.52 3.57 3.62 3.67 3.76 3.81 3.85	1.8076 144 [355.3] 1.5738 1.5738 1.5744 1.5983 1.6049 1.6115 1.6179 1.6241 1.6303 1.6422 1.6481 1.6538 1.6594 1.6650	1428.5 1194.1 1197.0 1202.9 1208.7 1214.5 1220.2 1225.8 1231.4 1237.0 1242.5 1247.9 1253.3 1258.7 1264.1 1269.4
700 750 800 Sat. 360 370 380 390 400 410 420 430 440 450 470 480 490 510	5.00 5.22 5.45 3.20 3.24 3.29 3.34 3.40 3.55 3.65 3.65 3.70 3.75 3.80 3.84 3.89 3.94 3.99	1.7895 1.8101 141 [333-6] 1.5756 1.5803 1.5874 1.5943 1.6011 1.6078 1.6143 1.6209 1.6390 1.6449 1.6507 1.6564 1.6507 1.6564 1.6620 1.6676 1.6676	1403.2 1428.6 1193.8 1197.6 1203.5 1215.1 1220.7 1226.3 1231.9 1231.9 1242.9 1248.4 1253.8 1259.1 1264.5 1269.8	3.18 3.21 3.27 3.32 3.37 3.42 3.47 3.57 3.62 3.67 3.77 3.82 3.86 3.91 3.96	1.7887 1.8092 142 [354-2] 1.5750 1.5750 1.5793 1.5864 1.6002 1.6068 1.6133 1.6197 1.6260 1.6381 1.6440 1.6440 1.6498 1.6556 1.6667 1.6667	1428.6 1193.9 1197.4 1203.3 1209.1 1214.9 1226.2 1231.7 1242.8 1248.2 1253.6 1259.0 1264.3 1269.7	3.16 3.19 3.24 3.29 3.35 3.40 3.45 3.55 3.60 3.65 3.69 3.74 3.79 3.84 3.88 3.93	1.8084 143 [354.8] 1.5744 1.5783 1.5854 1.5992 1.6059 1.6124 1.6188 1.6250 1.6372 1.6430 1.6490 1.6547 1.6603 1.6658 1.6658 1.6713	1428.5 1194.0 1197.2 1203.1 1208.9 1214.7 1220.4 1226.0 1237.1 1242.6 1248.1 1253.5 1258.9 1264.2 1269.5 1274.8 1280.1	3.14 3.17 3.22 3.27 3.32 3.37 3.42 3.57 3.57 3.62 3.67 3.72 3.76 3.81 3.85 3.90	1.8076 144 [355.3] 1.5773 1.5844 1.5983 1.6049 1.6115 1.6179 1.6241 1.6303 1.6422 1.6481 1.6538 1.6594 1.6650 1.6650	1428.5 1194.1 1197.0 1202.9 1208.7 1214.5 1220.2 1225.8 1231.4 1237.0 1242.5 1247.9 1258.7 1269.4 1274.7
700 750 800 Sat. 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520	3.20 3.24 3.29 3.34 3.40 3.45 3.50 3.55 3.60 3.75 3.84 3.89 3.94 3.99 3.94	1.7895 1.8101 141 [333-6] 1.5756 1.5803 1.5874 1.5943 1.6011 1.6078 1.6143 1.6207 1.6269 1.6330 1.6390 1.6449 1.6564 1.6620 1.6676 1.6730 1.6784	1403.2 1428.6 1197.6 1203.5 1209.3 1215.1 1220.7 1226.3 1231.9 1237.4 1242.9 1248.4 1253.8 1259.1 1264.5 1269.8	3.18 3.21 3.32 3.37 3.47 3.52 3.57 3.62 3.67 3.72 3.86 3.91 3.96 4.01	1.7887 1.8092 142 [354.2] 1.5750 1.5793 1.5864 1.5934 1.6002 1.6068 1.6133 1.6197 1.6260 1.6321 1.6381 1.6440 1.6456 1.6556 1.6667 1.6722 1.6667 1.6722 1.6775	1428.6 1193.9 1197.4 1203.3 1209.1 1214.9 1220.6 1226.2 1237.7 1237.7 1242.8 1248.2 1259.0 1264.3 1269.7 1274.9 1280.2 1285.4	3.16 3.19 3.24 3.29 3.35 3.45 3.55 3.65 3.65 3.67 3.79 3.84 3.88 3.93 3.98	1.8084 143 [354.8] 1.5744 1.5783 1.5854 1.5992 1.6059 1.6124 1.6188 1.6250 1.6372 1.6431 1.6490 1.6547 1.6603 1.6568 1.6763 1.6767	1428.5 1194.0 1197.2 1203.1 1208.9 1214.7 1220.4 1226.0 1237.1 1242.6 1248.1 1253.5 1258.9 1264.2 1269.5	3.14 3.17 3.22 3.27 3.32 3.37 3.42 3.47 3.57 3.62 3.67 3.76 3.76 3.81 3.85 3.90 3.95	1.8076 144 [355.3] 1.5773 1.5844 1.5914 1.5983 1.6049 1.6115 1.6179 1.6241 1.6303 1.6482 1.6482 1.6538 1.6594 1.6650 1.6704 1.6758	1428.5 1194.1 1197.0 1202.9 1208.7 1214.5 1220.2 1225.8 1231.4 1237.0 1242.5 12447.9 1253.3 1258.7 1264.1 1269.4
700 750 800 Sat. 360 370 380 390 400 410 420 450 460 470 450 500 510 520 530	5.00 5.22 5.45 3.20 3.24 3.29 3.34 3.40 3.55 3.65 3.65 3.70 3.75 3.80 3.84 3.89 3.94 3.99	1.7895 1.8101 141 [333-6] 1.5756 1.5803 1.5874 1.5943 1.6011 1.6078 1.6143 1.6209 1.6390 1.6449 1.6507 1.6564 1.6507 1.6564 1.6620 1.6676 1.6676	1403.2 1428.6 1193.8 1197.6 1203.5 1215.1 1220.7 1226.3 1231.9 1231.9 1242.9 1248.4 1253.8 1259.1 1264.5 1269.8	3.18 3.21 3.27 3.32 3.37 3.42 3.47 3.57 3.62 3.67 3.77 3.82 3.86 3.91 3.96	1.7887 1.8092 142 [354-2] 1.5750 1.5750 1.5793 1.5864 1.6002 1.6068 1.6133 1.6197 1.6260 1.6381 1.6440 1.6440 1.6498 1.6556 1.6667 1.6667	1428.6 1193.9 1197.4 1203.3 1209.1 1214.9 1226.2 1231.7 1242.8 1248.2 1253.6 1259.0 1264.3 1269.7	3.16 3.19 3.24 3.29 3.35 3.40 3.45 3.55 3.60 3.65 3.69 3.74 3.79 3.84 3.88 3.93	1.8084 143 [354.8] 1.5744 1.5783 1.5854 1.5992 1.6059 1.6124 1.6188 1.6250 1.6372 1.6430 1.6490 1.6547 1.6603 1.6658 1.6658 1.6713	1428.5 1194.0 1197.2 1203.1 1208.9 1214.7 1220.4 1226.0 1237.1 1242.6 1248.1 1253.5 1258.9 1264.2 1269.5 1274.8 1280.1	3.14 3.17 3.22 3.27 3.32 3.37 3.42 3.57 3.57 3.62 3.67 3.72 3.76 3.81 3.85 3.90	1.8076 144 [355.3] 1.5773 1.5844 1.5983 1.6049 1.6115 1.6179 1.6241 1.6303 1.6422 1.6481 1.6538 1.6594 1.6650 1.6650	1428.5 1194.1 1197.0 1202.9 1208.7 1214.5 1220.2 1225.8 1231.4 1237.0 1242.5 1247.9 1258.7 1269.4 1274.7
700 750 800 Sat. 360 370 380 390 400 410 420 430 440 450 460 510 520 530 540 550	5.00 5.22 5.45 3.20 3.24 3.32 3.34 3.40 3.55 3.60 3.55 3.60 3.70 3.75 3.84 3.89 3.99 4.03 4.03 4.13 4.18	1.7895 1.8101 141 [333-6] 1.5756 1.5803 1.5874 1.5943 1.6011 1.6078 1.6143 1.6207 1.6269 1.6330 1.6390 1.6449 1.6507 1.6564 1.6620 1.6676 1.6784 1.6889 1.6889	1403.2 1428.6 1197.6 1203.5 1209.3 1215.1 1220.7 1226.3 1231.9 1237.4 1242.9 1248.4 1253.8 1259.8 1259.8 1275.1 1280.3 1285.5 1290.8 1296.0	3.18 3.21 3.32 3.37 3.42 3.57 3.62 3.67 3.72 3.86 3.91 3.96 4.01 4.05 4.10	1.7887 1.8092 142 [354.2] 1.5750 1.5793 1.5864 1.5934 1.6002 1.6068 1.6133 1.6197 1.6260 1.6321 1.6381 1.6440 1.6498 1.6552 1.6667 1.6672 1.6667 1.6722 1.6722 1.6725 1.6828	1428.6 1193.9 1197.4 1203.3 1209.1 1214.9 1220.6 1231.7 1237.3 1242.8 1248.2 1253.6 1259.0 1264.3 1269.7 1274.9 1280.2 1285.4 1290.7	3.16 3.19 3.24 3.29 3.35 3.40 3.45 3.50 3.55 3.60 3.65 3.69 3.74 3.79 3.84 3.88 3.98 4.02 4.07	1.8084 143 [354.8] 1.5744 1.5783 1.5854 1.5992 1.6992 1.6124 1.6188 1.6250 1.6312 1.6431 1.6490 1.6547 1.6603 1.6658 1.6767 1.6658	1428.5 1194.0 1197.2 1203.1 1220.4 1226.0 1231.6 1237.1 1242.6 1253.5 1258.9 1264.2 1269.5 1274.8 1285.3 1290.6	3.14 3.17 3.22 3.27 3.32 3.37 3.42 3.47 3.52 3.67 3.62 3.67 3.76 3.81 3.85 3.90 3.95 4.00	1.8076 144 [155:3] 1.5738 1.5738 1.5744 1.5914 1.5983 1.6049 1.6115 1.6179 1.6241 1.6303 1.6422 1.6481 1.6538 1.6594 1.6650 1.6708 1.6758 1.6811	1428.5 1194.1 1197.0 1202.9 1208.7 1214.5 1220.2 1225.8 1231.4 1237.0 1242.5 1247.9 1253.3 1264.1 1269.4 1274.7 1280.0 1285.2 1290.5 1290.5 1290.9
700 750 800 Sat. 360 370 380 390 400 410 420 450 460 470 500 510 520 530 540 550 600	3.20 3.24 3.29 3.34 3.40 3.45 3.50 3.55 3.60 3.65 3.70 3.75 3.84 3.89 3.94 3.94 4.03 4.03 4.13 4.18	1.7895 1.8101 141 [333-6] 1.5756 1.5803 1.5874 1.5011 1.6078 1.6143 1.6207 1.6269 1.6330 1.6390 1.6449 1.6564 1.65676 1.6730 1.6730 1.6730 1.6730 1.6889 1.6940 1.7189	1403.2 1428.6 1197.6 1203.5 1209.3 1215.1 1220.7 1226.3 1231.9 1237.4 1242.9 1248.4 1253.8 1259.1 1264.5 1269.8 1275.1 1280.3 1285.5 1290.8 1296.0	3.18 3.21 3.27 3.32 3.37 3.42 3.57 3.62 3.67 3.72 3.77 3.86 3.91 3.96 4.01 4.05 4.10 4.15	1.7887 1.8092 142 [354.2] 1.5750 1.5793 1.5864 1.5934 1.6068 1.6133 1.6197 1.6260 1.6321 1.6381 1.6440 1.6498 1.6556 1.6612 1.6667 1.6722 1.6775 1.6828 1.6881 1.6932 1.7181	1428.6 1193.9 1197.4 1203.3 1209.1 1214.9 1220.6 1226.2 1231.7 1242.8 1248.2 1253.0 1264.3 1269.7 1274.9 1280.2 1285.4 1290.7 1295.9 1301.0 1326.8	3.16 3.19 3.24 3.29 3.35 3.45 3.55 3.65 3.65 3.65 3.67 3.79 3.84 3.98 4.02 4.07	1.8084 143 [354.8] 1.5744 1.5783 1.5854 1.5992 1.6059 1.6124 1.6188 1.6250 1.6372 1.6431 1.6490 1.6547 1.6603 1.6658 1.6767 1.6820 1.6872 1.6820 1.6872 1.6820 1.6872	1428.5 1194.0 1197.2 1203.1 1208.9 1214.7 1220.4 1226.0 1237.1 1242.6 1237.1 1248.1 1253.5 1258.9 1264.2 1269.5 1274.8 1285.3 1290.6 1295.8 1300.9 1300.9 1326.7	3.14 3.17 3.22 3.27 3.32 3.37 3.42 3.47 3.57 3.62 3.67 3.76 3.81 3.85 3.90 3.95 4.00 4.04	1.8076 144 [355.3] 1.5773 1.5844 1.5914 1.5983 1.6049 1.6115 1.6179 1.6241 1.6303 1.6422 1.6482 1.6538 1.6594 1.6758 1.6811 1.6863 1.6915 1.7164	1428.5 1194.1 1197.0 1202.9 1214.5 1220.2 1225.8 1231.4 1237.0 1242.5 1247.9 1253.3 1258.7 1269.4 1274.7 1280.0 1285.2 1290.5 1295.7
700 750 800 Sat. 360 370 380 390 400 410 420 430 440 450 460 470 510 510 520 530 540 550 600 650	3.20 3.24 3.34 3.34 3.45 3.55 3.65 3.70 3.75 3.80 3.84 3.89 3.94 3.94 4.03 4.13	1.7895 1.8101 141 [333-6] 1.5756 1.5803 1.5874 1.6011 1.6078 1.6143 1.6207 1.6269 1.6330 1.6390 1.6449 1.6507 1.6620 1.6676 1.6784 1.6837 1.6889 1.6940 1.7189 1.7424	1403.2 1428.6 1197.6 1203.5 1209.3 1215.1 1220.7 1226.3 1231.9 1237.4 1242.9 1248.4 1253.8 1259.1 1264.5 1269.8 1275.1 1285.5 1296.0	3.18 3.21 3.27 3.32 3.37 3.42 3.57 3.62 3.67 3.77 3.82 3.86 3.91 3.96 4.01 4.05 4.10 4.15 4.37 4.60	1.7887 1.8092 142 [334.2] 1.5750 1.5763 1.5864 1.6002 1.6068 1.6197 1.6260 1.6321 1.6381 1.6440 1.6498 1.6556 1.6667 1.6722 1.6775 1.6828 1.6881 1.6932 1.7181 1.7416	1428.6 1193.9 1197.4 1203.3 1204.9 1226.6 1231.7 1237.3 1242.8 1248.2 1253.6 1259.0 1264.3 1269.7 1274.9 1280.2 1285.2 1285.2 1285.2 1285.2 1285.2	3.16 3.19 3.24 3.29 3.35 3.40 3.45 3.50 3.55 3.60 3.65 3.69 3.74 3.79 3.84 3.93 3.93 3.93 4.02 4.07	1.8084 143 [354.8] 1.5744 1.5783 1.5854 1.5992 1.6599 1.6124 1.6188 1.6250 1.6312 1.6431 1.6490 1.6547 1.6603 1.6658 1.6773 1.6658 1.6773 1.6658 1.6773 1.6820 1.6820 1.6820 1.6820 1.6820 1.6821	1428.5 1194.0 1197.2 1203.1 1203.1 1214.7 1226.4 1231.6 1237.1 1242.6 1248.1 1253.5 1258.9 1264.2 1269.5 1274.8 1280.1 1285.3 1290.6 1295.8	3.14 3.17 3.22 3.37 3.32 3.37 3.42 3.57 3.62 3.67 3.76 3.81 3.85 3.90 4.00 4.09 4.53	1.8076 144 [1553] 1.5738 1.5738 1.5738 1.5914 1.5983 1.6049 1.6115 1.6241 1.6303 1.6363 1.6422 1.6481 1.6538 1.6594 1.6650 1.6768 1.6758 1.6863 1.6915 1.7164 1.7400	1428.5 1194.1 1197.0 1202.9 1208.7 1214.5 1220.2 1225.8 1231.4 1237.0 1242.5 1242.9 1253.3 1258.7 1264.1 1274.7 1280.0 1285.2 1290.5 1290.5 1290.5 1300.9 1326.6 1352.1
700 750 800 Sat. 360 370 380 390 400 410 420 430 440 450 460 470 510 510 520 530 540 550 600 650	3.20 3.24 3.29 3.34 3.40 3.45 3.50 3.55 3.60 3.65 3.70 3.75 3.84 3.89 3.94 3.94 4.03 4.03 4.13 4.18	1.7895 1.8101 141 [333-6] 1.5756 1.5803 1.5874 1.5011 1.6078 1.6143 1.6207 1.6269 1.6330 1.6390 1.6449 1.6564 1.65676 1.6730 1.6730 1.6730 1.6730 1.6889 1.6940 1.7189	1403.2 1428.6 1197.6 1203.5 1209.3 1215.1 1220.7 1226.3 1231.9 1237.4 1242.9 1248.4 1253.8 1259.1 1264.5 1269.8 1275.1 1280.3 1285.5 1290.8 1296.0	3.18 3.21 3.27 3.32 3.37 3.42 3.57 3.62 3.67 3.72 3.77 3.86 3.91 3.96 4.01 4.05 4.10 4.15	1.7887 1.8092 142 [354.2] 1.5750 1.5793 1.5864 1.5934 1.6068 1.6133 1.6197 1.6260 1.6321 1.6381 1.6440 1.6498 1.6556 1.6612 1.6667 1.6722 1.6775 1.6828 1.6881 1.6932 1.7181	1428.6 1193.9 1197.4 1203.3 1209.1 1214.9 1220.6 1226.2 1231.7 1242.8 1248.2 1253.0 1264.3 1269.7 1274.9 1280.2 1285.4 1290.7 1295.9 1301.0 1326.8	3.16 3.19 3.24 3.29 3.35 3.45 3.55 3.65 3.65 3.65 3.67 3.79 3.84 3.98 4.02 4.07	1.8084 143 [354.8] 1.5744 1.5783 1.5854 1.5992 1.6059 1.6124 1.6188 1.6250 1.6372 1.6431 1.6490 1.6547 1.6603 1.6658 1.6767 1.6820 1.6872 1.6820 1.6872 1.6820 1.6872	1428.5 1194.0 1197.2 1203.1 1208.9 1214.7 1220.4 1226.0 1237.1 1242.6 1237.1 1248.1 1253.5 1258.9 1264.2 1269.5 1274.8 1285.3 1290.6 1295.8 1300.9 1300.9 1326.7	3.14 3.17 3.22 3.27 3.32 3.37 3.42 3.47 3.57 3.62 3.67 3.76 3.81 3.85 3.90 3.95 4.00 4.04	1.8076 144 [355.3] 1.5773 1.5844 1.5914 1.5983 1.6049 1.6115 1.6179 1.6241 1.6303 1.6422 1.6482 1.6538 1.6594 1.6758 1.6811 1.6863 1.6915 1.7164	1428.5 1194.1 1197.0 1202.9 1214.5 1220.2 1225.8 1231.4 1237.0 1242.5 1247.9 1253.3 1258.7 1269.4 1274.7 1280.0 1285.2 1290.5 1295.7

64				TABL	E 3. S	UPERH	EATE	D STE	AM			
Pres-		145 [355.8]			146 [356.3]			147 [356.9]			148 [357-4]	
Temp F.	•	8	i	•		i	•		- i	7	8	1
Sat.	3.12	1.5733	1194.2	3.10	1.5727	1194.3	3.08	1.5721	1194.4	3.06	1.5715	1194.5
360	3.14	1.5763	1196.8	3.12	1.5753	1196.5	3.10	1.5744	1196.3	3.07	1.5734	1196.1
370 380	3.19	1.5835	1202.7	3.17	1.5825	1202.5	3.15	1.5816	1202.3	3.12	1.5806	1202.1
390	3.25 3.30	1.5905	1214.3	3.22	1.5895	1214.1	3.20	1.5886	1208.1	3.17	1.5876	1207.9
	-						33					
400	3.35	1.6040	1220.0	3.32	1.6031	1219.8	3.30	1.6022	1219.7	3.27	1.6012	1219.5
410 420	3.40 3.45	1.6106	1225.7	3.37	1.6096	1225.5	3.35 3.40	1.6087	1225.3	3.32 3.37	1.6078	1225.1
430	3.50	1.6232	1236.8	3.47	1.6223	1236.7	3.45	1.6214	1236.5	3.42	1.6205	1236.3
440	3.54	1.6294	1242.3	3.52	1.6285	1242.2	3.49	1.6276	1242.0	3.47	1.6267	1241.9
450	3.59	1.6354	1247.8	3.57	1.6345	1247.6	3-54	1.6336	1247.5	3.52	1.6328	1247.4
460	3.64	1.6414	1253.2	3.61	1.6405	1253.1	3.59	1.6396	1252.9	3.56	1.6387	1252.8
470	3.69	1.6472	1258.6	3.66	1.6463	1258.5	3.64	1.6455	1258.3	3.61	1.6446	1258.2
480	3.73	1.6529	1264.0	3.71	1.6521	1263.8	3.68	1.6512	1263.7	3.65	1.6503	1263.6
490	3.78	1.6586	1269.3	3.76	1.6577	1269.2	3.73	1.6568	1269.1	3.70	1.6560	1268.9
500	3.83	1.6641	1274.6	3.80	1.6633	1274.5	3.77	1.6624	1274.4	3.75	1.6616	1274.2
510	3.87	1.6696	1279.9	3.85	1.6687	1279.8	3.82	1.6679	1279.6	3.79	1.6670	
520	3.92	1.6750	1285.1	3.89	1.6741	1285.0	3.87	1.6733	1284.9	3.84 3.88	1.6724	1284.8
530 540	3.97 4.01	1.6855	1295.6	3.94 3.98	1.6794	1290.3	3.91 3.96	1.6838	1295.4	3.93	1.6830	1295.3
				i								
550	4.06	1.6907	1300.8	4.03	1.6898	1300.7	4.00	1.6890	1300.6	3.97	1.6882	1300.5
600 650	4.28 4.50	1.7156	1326.5	4.25	1.7148	1326.4	4.22	1.7140	1326.4	4.19 4.41	1.7132 1.7367	1326.3
700	4.72	1.7616	1377.5	4.68	1.7608	1377.4	4.65	1.7600	1377.4	4.62	1.7592	1377.3
750	4.93	1.7830	1402.9	4.90	1.7822	1402.8	4.86	1.7814	1402.8	4.83	1.7806	1402.7
800	5.14	1.8036	1428.3	5.11	1.8028	1428.3	5.07	1.8020	1428.2	5.04	1.8013	1428.2
		149			150 [358.5]			151 [359.0]			152 [359-5]	
Sat.	3.04	[357.9]	1194.6	3.02	1.5704	1194.7	3.00	1.5698	1194.8	2.98	1.5693	1194.9
-6-							١				60-	
360 370	3.05 3.10	1.5724	1195.9	3.03	1.5715	1195.7	3.01 3.06	1.5705	1195.5	2.99 3.04	1.5695	1195.2
380	3.15	1.5867	1207.7	3.13	1.5858	1207.5	3.11	1.5849	1207.3	3.09	1.5839	1207.1
390	3.20	1.5936	1213.5	3.18	1.5927	1213.3	3.15	1.5918	1213.2	3.13	1.5909	1213.0
400	3.25	1.6003	1219.3	3.23	1.5994	1219.1	3.20	1.5985	1218.9	3.18	1.5976	1218.8
410	3.30	1.6069	1225.0	3.28	1.6060	1224.8	3.25	1.6051	1224.6	3.23	1.6042	1224.5
420	3.35 3.40	1.6133	1230.6	3.33	1.6124	1230.4	3.30 3.35	1.6116	1230.3	3.28 3.33	1.6107	1230.1
430 440	3.44	1.6258	1241.7	3.37 3.42	1.6250		3.40	1.6241	1241.4	3.37	1.6232	1241.2
450		1.6319	1247.0	2 47	1.6310	1247 7	2 44	1.6302	1246.9	2.42	1.6293	1246.8
460	3.49 3.54	1.6319	1247.2	3.47 3.51	1.6370	1247.1	3.44 3.49	1.6362	1240.9	3.42 3.47	1.6353	1240.8
470	3.59	1.6437	1258.1	3.56	1.6429	1257.9	3.54	1.6420	1257.8	3.51	1.6412	1257.7
480	3.63	1.6495	1263.5	3.61	1.6486	1263.3	3.58	1.6478	1263.2	3.56	1.6470	1263.1
490	3.68	1.6551	1268.8	3.65	1.6543	1268.7	3.63	1.6535	1268.6	3.60	1.6526	1268.5
500	3.72	1.6607	1274.1	3.69	1.6599	1274.0	3.67	1.6591	1273.9	3.64	1.6582	1273.8
510	3.77	1.6662	1279.4	3.74	1.6654	1279.3	3.71	1.6646	1279.2	3.69	1.6637	1279.1
520	3.81 3.86	1.6716	1284.7	3.78 3.83	1.6708	1284.6	3.76 3.80	1.6700	1284.5	3.73 3.78	1.6691	1284.4
530 540	3.90	1.6822	1295.2	3.87	1.6814	1295.1	3.85	1.6806	1295.0	3.82	1.6798	1294.9
550	200	T 69~	T200 (2.00	1.6866	7200 -	3.89	1.6857	1200 0	3.87	1.6849	
600	3.95 4.16	1.6874	1300.4 1326.2	3.92 4.13	1.7116	1300.3	3.09 4.11	1.7108	1300.2	4.08	1.7100	1300.1 1326.0
650	4.38	1.7360	1351.8	4.35	1.7352	1351.7	4.32	1.7344	1351.7	4.29	1.7336	1351.6
700	4.59	1.7584	1377-3	4.56	1.7576	1377.2	4.53	1.7568	1377.2	4.50	1.7561	1377.1
750	4.80	1.7799	1402.7	4.77	1.7791	1402.6	4.73	1.7783	1402.6	4.70	1.7776	1402.5
800	5.00	1.8006	1428.2	4.97	1.7998	1428.1	4.94	1.7990	1428.1	4.91	1.7982	1428.0

Pres-		153 [360.0]			154 [360.5]			155 [361.1]			156 [361.6]	
Temp F.	•		i	•		i	▼	8	i	٧		i
Sat.	2.96	1.5687	1195.0	2.95	1.5681	1195.1	2.93	1.5676	1195.2	2.91	1.5670	1195.3
370	3.01	1.5759	1201.0	2.99	1.5750	1200.8	2.97	1.5741	1200.6	2.95	1.5732	1200.4
380	3.06	1.5830	1206.9	3.04	1.5821	1206.7	3.02	1.5812	1206.5	3.00	1.5803	1206.3
390	3.11	1.5899	1212.8	3.09	1.5890	1212.6	3.07	1.5881	1212.4	3.05	1.30/3	
400	3.16	1.5967	1218.6	3.14	1.5958	1218.4	3.12	1.5949	1218.2	3.10	1.5941	1218.0
410	3.21	1.6033	1224.3	3.19	1.6024	1224.1	3.16	1.6016	1223.9	3.14	1.6007	1223.8
420	3.26	1.6098	1229.9	3.23	1.6089	1229.8	3.2I 3.26	1.6144	1229.6	3.19	1.6136	1235.1
430 440	3.30 3.35	1.6224	1235.5	3.33	1.6215	1241.0	3.30	1.6207	1240.8	3.28	1.6198	1240.7
450	3.40	1.6285	1246.6	3.37	1.6276	1246.5	3.35	1.6268	1246.3	3.33	1.6259	1246.2
460	3.44	1.6345	1252.1	3.42	1.6336		3.40	1.6328		3.37	1.6320	1251.7
470	3.49	1.6404	1257.6	3.46	1.6395	1257.4	3.44	1.6387		3.42	1.6379	1257.2
480	3-53	1.6461	1263.0	3.51	1.6453	1262.8	3.48	1.6445	1262.7	3.46	1.6437	1262.6
490	3.58	1.6518	1268.3	3-55	1.6510	1 268.2	3.53	1.6502	1268.1	3.51	1.6494	1268.0
500	3.62	1.6574	1273.7	3.60	1.6566	1273.6	3.57	1.6558	1273.4	3.55	1.6550	1273.3
510	3.67	1.6629	1279.0	3.64	1.6621	1278.9	3.62	1.6613	1278.8	3.59 3.63	1.6605	1278.6
520	3.71 3.75	1.6683	1284.3	3.68 3.73	1.6675	1284.2	3.66 3.70	1.6721	1289.3	3.68	1.6713	1289.2
530 540	3.80	1.6790	1294.8	3.77	1.6782	1294.7	3.75	1.6774	1294.6	3.72	1.6766	1294.5
550	3.84	1.6841	1300.0	3.81	1.6834	1299.9	3.79	1.6826	1299.8	3.76	1.6818	1299.7
600	4.05	1.7092	1325.9	4.02	1.7084	1325.9	4.00	1.7077		3.97	1.7069	1325.7
650	4.26	1.7328		4.23	1.7321	1351.5	4.20	1.7313	1351.4	4.18	1.7306	.1351.4
700	4.47	1.7553	1377.1	4.44	1.7546		4.41	1.7538	1377.0	4.38	1.7531	1376.9
750	4.67	1.7768	1402.5	4.64	1.7761	1402.5	4.61	1.7753	1402.4	4.58	1.7746	1402.4
800	4.87	1.7975	1428.0	4.84	1.7967	1428.0	4.81	1.7960	1427.9	4.78	1.7953	1427.9
850	5.07	1.8174	1453.6	5.04	1.8167	1453.6	5.01	1.8159	1453-5	4.98	1.8152	1453.5
		157 [362.1]			158 [362.6]			159 [363.1]			160 [363.6]	
Sat.	2.89	1.5665	1195.4	2.87	1.5659	1195.5	2.86	1.5654	1195.6	2.84	1.5649	1195.7
370	2.93	1.5723	1200.2	2.91	1.5714	1 200.0	2.89	1.5705	1199.8	2.87	1.5696	1199.5
380	2.98	1.5794	1206.1	2.96	1.5785	1205.9	2.94	1.5776	1205.7	2.92	1.5767	1205.5
390	3.03	1.5864	1212.0	3.01	1.5855	1211.8	2.99	1.5846	1211.6	2.97	1.5838	1211.4
400	3.08	1.5932	1217.8	3.05	1.5923	1217.6	3.03	1.5915	1217.5	3.01	1.5906	1217.3
410	3.12	1.5998	1223.6	3.10	1.5990		3.08	1.5981		3.06	1.5973	1223.1
420	3.17	1.6063	1229.3	3.15	1.6055	1229.1	3.13 3.17	1.6047	1228.9	3.11	1.6038	1234.5
430 440	3.21 3.26	1.6190	1240.5	3.19 3.24	1.6181	1240.4	3.22	1.6173	1240.2	3.20	1.6165	1240.1
450	3.30	1.6251	1246.1	3.28	1.6243	1245.9	3.26	1.6235	1245.8	3.24	1.6226	1245.6
460	3.35	1.6311	1251.6	3.33	1.6303	1251.4	3.30	1.6295	1251.3	3.28	1.6287	1251.1
470	3.39	1.6370	1257.0	3.37	1.6362	1256.9	3.35	1.6354	1256.8		1.6346	1256.6
48o	3.44	1.6429	1262.4	3.42	1.6420		3.39	1.6412		3.37	1.6404	1262.1
490	3.48	1.6486	1267.8	3.46	1.6477	1267.7	3.44	1.6469	1267.6	3.41	1.6461	1267.5
500	3.52	1.6542	1273.2	3.50	1.6534	1273.1	3.48	1.6526	1273.0	3.46	1.6518	1272.9
510	3.57	1.6597	1278.5	3.55	1.6589	1278.4	3.52	1.6581	1278.3	3.50	1.6573	1278.2
520	3.61	1.6651		3.59	1.6643	1283.7	3.56	1.6636	1283.6	3.54	1.6628	1283.5
530 540	3.65 3.69	1.6705	1289.1	3.63 3.67	1.6697	1289.0	3.61 3.65	1.6689	1288.9	3.58 3.62	1.6735	1294.1
550				-				7 6705	1299.4	3.67	1.6787	1299.3
600	3·74 3·95	1.6810	1299.6 1325.6	3.71 3.92	1.6802	1299.5	3.69 3.90	1.6795		3.87	1.7039	1325.4
650	4.15	1.7298	1351.3	4.12	1.7291	1351.2	4.10	1.7283	1351.2	4.07	1.7276	1351.1
700	4.35	1.7523	1376.9	4.32	1.7516	1376.8	4.30	1.7509	1376.7	4.27	1.7501	1376.7
750	4.55	1.7738	1402.3	4.52	1.7731	1402.3	4.49	1.7724	1402.2	4.47	1.7717	1402.2
800	4.75	1.7945		4.72	1.7938	1427.8		1.7931	1427.8	4.66	1.7924	1427.7
850	4.94	1 T.8T45	1453.5	4.91	1.8137	1453.4	4.88	1.8130	1453.4	4.85	1.8123	1453-4

Pres-		161 [364.1]			162 [364.6]			163 [365.1]			164 [365.6]	
Temp F.	▼		i	•		i	▼		i	▼	8	i
Sat.	2.82	1.5643	1195.8	2.81	1.5638	1195.8	2.79	1.5633	1195.9	2.77	1.5627	1196.0
370	2.85	1.5687	1199.3	2.83	1.5678	1199.1	2.81	1.5669	1198.9	2.79	1.5660	1198.7
380	2.90	1.5759	1205.3	2.88	1.5750	1205.1	2.86	1.5741	1204.9	2.84	1.5732	1204.7
390	2.95	1.5829	1211.3	2.93	1.5820	1211.1	2.91	1.5812	1210.9	2.89	1.5803	1210.7
400	2.99	1.5897	1217.1	2.97	1.5889	1216.9	2.95	1.5880	1216.7	2.93	1.5872	1216.6
410	3.04	1.5964	1222.9	3.02	1.5956	1222.7	3.00	1.5947	1222.5	2.98	1.5939	1222.4
420	3.08	1.6030	1228.6	3.06	1.6021	1228.4	3.04	1.6013	1228.3	3.02	1.6005	1228.1
430 440	3.13	1.6094	1234.3	3.11	1.6086	1234.1	3.09	1.6077	1234.0	3.07	1.6069	1233.8 1239.4
450	3.22	1.6218	1245.5	3.20	1.6210	1245.3	3.18	1.6202	1245.2	3.16	1.6194	1245.0
460	3.26	1.6279	1251.0	3.24	1.6271	1250.9	3.22	1.6263	1250.7	3.20	1.6255	1250.6
470	3.31	1.6338	1256.5	3.28	1.6330	1256.4	3.26	1.6322	1256.2	3.24	1.6314	1256.1
480	3.35	1.6396	1261.9	3.33	1.6388	1261.8	3.31	1.6380	1261.7	3.29	1.6373	1261.6
490	3.39	1.6453	1267.4	3.37	1.6446	1267.2	3.35	1.6438	1267.1	3.33	1.6430	1267.0
500	3.43	1.6510	1272.7	3.41	1.6502	1272.6	3.39	1.6494	1272.5	3.37	1.6487	1272.4
510	3.48	1.6565	1278.1	3.45	1.6558	1278.0	3.43	1.6550	1277.9	3.41	1.6542	1277.8
520	3.52	1.6620	1283.4	3.50	1.6612	1283.3	3.48	1.6605	1283.2	3.45	1.6597	1283.1
530 540	3.56 3.60	1.6727	1288.7	3·54 3·58	1.6666	1288.6	3.52 3.56	1.6659	1288.5	3.49 3.53	1.6651	1288.4
	_											
550	3.64	1.6779	1299.3	3.62	1.6772	1299.2	3.60	1.6764	1299.1	3.57	1.6757	1299.0
600	3.85	1.7031	1325.3	3.82	1.7024	1325.2	3.80	1.7016	1325.1	3.77	1.7009	1325.1
650 7 00	4.05	1.7269	1351.0	4.02 4.21	1.7261	1351.0	4.00	1.7254	1350.9	3.97 4.16	I.7247 I.7473	1350.9 1376.5
750	4.44	1.7710	1402.2	4.41	1.7703	1402.1	4.38	1.7695	1402.1	4.35	1.7688	1402.0
800 850	4.63 4.82	1.7917	1427.7	4.60 4.79	1.7910	1427.7 1453.3	4·57 4·76	1.7903	1427.6 1453.3	4·54 4·73	1.7896	1427.6 1453.2
=	7.55	165	-433.3	4.75	166	-433.3	4.7	167	-435.5	4-73	168	-433
		[366.1]			[366.5]			[367.0]	·		[367.5]	
Sat.	2.76	1.5622	1196.1	2.74	1.5617	1196.2	2.72	1.5612	1196.2	2.71	1.5607	1196.3
370	2.78	1.5651	1198.5	2.76	1.5643	1198.3	2.74	1.5634	1198.1	2.72	1.5625	1197.8
380	2.82 2.87	1.5723	1204.5	2.81	1.5715	1204.3	2.79	1.5706	1204.1	2.77 2.81	1.5698	1203.9
390	2.07	1.5794	1210.5	2.85	1.5786	1210.3	2.83	I-5777	1210.1		1.5769	1209.9
400	2.92	1.5863	1216.4	2.90	1.5855	1216.2	2.88	1.5846	1216.0	2.86	1.5838	1215.8
410	2.96	1.5931	1222.2	2.94	1.5922	1222.0	2.92	1.5914	1221.8	2.90	1.5906	1221.7
420	3.00 3.05	1.5997 1.6061	1228.0	2.99	1.5988	1227.8	2.97 3.01	1.5980 1.6045	1227.6	2.95 2.99	1.5972	1227.5
440	3.09	1.6124	1239.3	3.03 3.07	1.6116	1233.5	3.05	1.6108	1239.0	3.03	1.6100	1238.8
450		1			. 1						l	
200	3.14	1.6186	1244.0	3.12	1.6178	1244.7	3.10	1.6170	1244.6	3.08	1.6162	1244.4
460	3.14 3.18	1.6186	1244.9	3.12 3.16	1.6178 1.6239	1244.7	3.10 3.14	1.6170	1244.6	3.08 3.12	1.6162 1.6223	1244.4 1250.0
460 470	3.18 3.22	1.6247	1250.5	3.16	1.6239 1.6298	1250.3	3.14 3.18	1.6231	1250.2	3.12 3.16	1.6223 1.6283	1250.0
460 470 480	3.18 3.22 3.26	1.6247 1.6306 1.6365	1250.5 1256.0 1261.4	3.16 3.20 3.24	1.6239 1.6298 1.6357	1250.3 1255.8 1261.3	3.14 3.18 3.22	1.6231 1.6291 1.6349	1250.2 1255.7 1261.2	3.12 3.16 3.20	1.6223 1.6283 1.6342	1250.0 1255.6 1261.1
460 470 480 490	3.18 3.22	1.6247	1250.5	3.16 3.20	1.6239 1.6298	1250.3	3.14 3.18	1.6231	1250.2	3.12 3.16	1.6223 1.6283	1250.0
460 470 480 490 500	3.18 3.22 3.26	1.6247 1.6306 1.6365	1250.5 1256.0 1261.4 1266.9	3.16 3.20 3.24	1.6239 1.6298 1.6357	1250.3 1255.8 1261.3	3.14 3.18 3.22	1.6231 1.6291 1.6349	1250.2 1255.7 1261.2	3.12 3.16 3.20	1.6223 1.6283 1.6342 1.6399	1250.0 1255.6 1261.1 1266.5
460 470 480 490 500 510	3.18 3.22 3.26 3.31 3.35 3.39	1.6247 1.6306 1.6365 1.6422 1.6479 1.6535	1250.5 1256.0 1261.4 1266.9 1272.3 1277.6	3.16 3.20 3.24 3.29 3.33 3.37	1.6239 1.6298 1.6357 1.6414 1.6471 1.6527	1250.3 1255.8 1261.3 1266.8 1272.2 1277.5	3.14 3.18 3.22 3.26 3.30 3.35	1.6231 1.6291 1.6349 1.6407 1.6464 1.6519	1250.2 1255.7 1261.2 1266.6 1272.0 1277.4	3.12 3.16 3.20 3.24 3.28 3.33	1.6223 1.6283 1.6342 1.6399 1.6456 1.6512	1250.0 1255.6 1261.1 1266.5 1271.9 1277.3
460 470 480 490 500 510 520	3.18 3.22 3.26 3.31 3.35 3.39 3.43	1.6247 1.6306 1.6365 1.6422 1.6479 1.6535 1.6589	1250.5 1256.0 1261.4 1266.9 1272.3 1277.6 1283.0	3.16 3.20 3.24 3.29 3.33 3.37 3.41	1.6239 1.6298 1.6357 1.6414 1.6471 1.6527 1.6582	1250.3 1255.8 1261.3 1266.8 1272.2 1277.5 1282.9	3.14 3.18 3.22 3.26 3.30 3.35 3.39	1.6231 1.6291 1.6349 1.6407 1.6464 1.6519 1.6574	1250.2 1255.7 1261.2 1266.6 1272.0 1277.4 1282.8	3.12 3.16 3.20 3.24 3.28 3.33 3.37	1.6223 1.6283 1.6342 1.6399 1.6456 1.6512 1.6567	1250.0 1255.6 1261.1 1266.5 1271.9 1277.3 1282.7
460 470 480 490 500 510	3.18 3.22 3.26 3.31 3.35 3.39	1.6247 1.6306 1.6365 1.6422 1.6479 1.6535	1250.5 1256.0 1261.4 1266.9 1272.3 1277.6 1283.0 1288.3	3.16 3.20 3.24 3.29 3.33 3.37 3.41 3.45	1.6239 1.6298 1.6357 1.6414 1.6471 1.6527	1250.3 1255.8 1261.3 1266.8 1272.2 1277.5	3.14 3.18 3.22 3.26 3.30 3.35 3.39 3.43	1.6231 1.6291 1.6349 1.6407 1.6464 1.6519	1250.2 1255.7 1261.2 1266.6 1272.0 1277.4	3.12 3.16 3.20 3.24 3.28 3.33 3.37 3.41	1.6223 1.6283 1.6342 1.6399 1.6456 1.6512	1250.0 1255.6 1261.1 1266.5 1271.9 1277.3
460 470 480 490 500 510 520 530 540	3.18 3.22 3.26 3.31 3.35 3.39 3.43 3.47 3.51	1.6247 1.6306 1.6365 1.6422 1.6479 1.6535 1.6589 1.6643 1.6697	1250.5 1256.0 1261.4 1266.9 1272.3 1277.6 1283.0 1288.3 1293.6	3.16 3.20 3.24 3.29 3.33 3.37 3.41 3.45 3.49	1.6239 1.6298 1.6357 1.6414 1.6471 1.6527 1.6582 1.6636 1.6689	1250.3 1255.8 1261.3 1266.8 1272.2 1277.5 1282.9 1288.2 1293.5	3.14 3.18 3.22 3.26 3.30 3.35 3.39 3.43 3.47	1.6231 1.6291 1.6349 1.6407 1.6464 1.6519 1.6574 1.6628 1.6682	1250.2 1255.7 1261.2 1266.6 1272.0 1277.4 1282.8 1288.1 1293.4	3.12 3.16 3.20 3.24 3.28 3.33 3.37 3.41 3.45	1.6223 1.6283 1.6342 1.6399 1.6456 1.6512 1.6567 1.6621	1250.0 1255.6 1261.1 1266.5 1271.9 1277.3 1282.7 1288.0 1293.3
460 470 480 490 500 510 520 530 540	3.18 3.22 3.26 3.31 3.35 3.39 3.43 3.47 3.51	1.6247 1.6306 1.6365 1.6422 1.6479 1.6535 1.6589 1.6643 1.6697	1250.5 1256.0 1261.4 1266.9 1272.3 1277.6 1283.0 1288.3 1293.6	3.16 3.20 3.24 3.29 3.33 3.37 3.41 3.45 3.49	1.6239 1.6298 1.6357 1.6414 1.6471 1.6527 1.6582 1.6636 1.6689	1250.3 1255.8 1261.3 1266.8 1272.2 1277.5 1282.9 1288.2 1293.5	3.14 3.18 3.22 3.26 3.30 3.35 3.39 3.43 3.47	1.6231 1.6291 1.6349 1.6467 1.6464 1.6519 1.6574 1.6628 1.6682	1250.2 1255.7 1261.2 1266.6 1272.0 1277.4 1282.8 1288.1 1293.4	3.12 3.16 3.20 3.24 3.28 3.33 3.37 3.41 3.45	1.6223 1.6283 1.6342 1.6399 1.6456 1.6512 1.6567 1.6621 1.6674	1250.0 1255.6 1261.1 1266.5 1271.9 1277.3 1282.7 1288.0 1293.3
460 470 480 490 500 510 520 530 540 550 600	3.18 3.22 3.26 3.31 3.35 3.39 3.43 3.47 3.51 3.55 3.75	1.6247 1.6306 1.6365 1.6422 1.6479 1.6535 1.6589 1.6643 1.6697	1250.5 1256.0 1261.4 1266.9 1272.3 1277.6 1283.0 1288.3 1293.6 1298.9 1325.0	3.16 3.20 3.24 3.29 3.33 3.37 3.41 3.45 3.49 3.53 3.73	1.6239 1.6298 1.6357 1.6414 1.6527 1.6527 1.6582 1.6689 1.6742 1.6994	1250.3 1255.8 1261.3 1266.8 1272.2 1277.5 1282.9 1288.2 1293.5	3.14 3.18 3.22 3.26 3.30 3.35 3.39 3.43 3.47 3.51 3.70	1.6231 1.6291 1.6349 1.6467 1.6464 1.6519 1.6574 1.6628 1.6682	1250.2 1255.7 1261.2 1266.6 1272.0 1277.4 1282.8 1288.1 1293.4 1298.7 1324.8	3.12 3.16 3.20 3.24 3.28 3.33 3.37 3.41 3.45	1.6223 1.6283 1.6342 1.6399 1.6456 1.6512 1.6567 1.6621 1.6674	1250.0 1255.6 1261.1 1266.5 1271.9 1277.3 1282.7 1288.0 1293.3 1298.6 1324.8
460 470 480 490 500 510 520 530 540	3.18 3.22 3.26 3.31 3.35 3.39 3.43 3.47 3.51	1.6247 1.6306 1.6365 1.6422 1.6479 1.6535 1.6589 1.6643 1.6697	1250.5 1256.0 1261.4 1266.9 1272.3 1277.6 1283.0 1288.3 1293.6	3.16 3.20 3.24 3.29 3.33 3.37 3.41 3.45 3.49	1.6239 1.6298 1.6357 1.6414 1.6471 1.6527 1.6582 1.6636 1.6689	1250.3 1255.8 1261.3 1266.8 1272.2 1277.5 1282.9 1288.2 1293.5	3.14 3.18 3.22 3.26 3.30 3.35 3.39 3.43 3.47	1.6231 1.6291 1.6349 1.6467 1.6464 1.6519 1.6574 1.6628 1.6682	1250.2 1255.7 1261.2 1266.6 1272.0 1277.4 1282.8 1288.1 1293.4	3.12 3.16 3.20 3.24 3.28 3.33 3.37 3.41 3.45	1.6223 1.6283 1.6342 1.6399 1.6456 1.6512 1.6567 1.6621 1.6674	1250.0 1255.6 1261.1 1266.5 1271.9 1277.3 1282.7 1288.0 1293.3
460 470 480 490 500 510 520 530 540 550 600 650	3.18 3.22 3.26 3.31 3.35 3.43 3.47 3.51 3.55 3.75 3.95	1.6247 1.6306 1.6365 1.6422 1.6479 1.6535 1.6589 1.6643 1.6697	1250.5 1256.0 1261.4 1266.9 1272.3 1277.6 1283.0 1288.3 1293.6 1298.9 1325.0 1350.8	3.16 3.20 3.24 3.29 3.33 3.37 3.41 3.45 3.49 3.53 3.73 3.92	1.6239 1.6298 1.6357 1.6414 1.6527 1.6582 1.6636 1.6689 1.6742 1.6994 1.7232	1250.3 1255.8 1261.3 1266.8 1272.2 1277.5 1282.9 1288.2 1293.5 1298.8 1324.9 1350.7	3.14 3.18 3.22 3.26 3.30 3.35 3.43 3.47 3.51 3.70 3.90	1.6231 1.6291 1.6349 1.6464 1.6519 1.6574 1.6628 1.6682 1.6734 1.6987	1250.2 1255.7 1261.2 1266.6 1272.0 1277.4 1282.8 1288.1 1293.4 1298.7 1324.8 1350.7	3.12 3.16 3.20 3.24 3.28 3.33 3.37 3.41 3.45 3.49 3.68 3.87	1.6223 1.6283 1.6342 1.6399 1.6456 1.6512 1.6567 1.6621 1.6674 1.6727 1.6980 1.7218	1250.0 1255.6 1261.1 1266.5 1271.9 1277.3 1282.7 1288.0 1293.3 1298.6 1324.8 1350.6

Pres- sure		169 [368.0]			170 [368.5]			171 [369.0]			172 [369.4]	
Temp *P.	•		i	▼	8	i	▼		i	•		i
Sat.	2.69	1.5602	1196.4	2.68	1.5597	1196.5	2.66	1.5592	1196.6	2.65	1.5587	1196.6
370	2.70	1.5617	1197.6	2.69	1.5608	1197.4	2.67	1.5599	1197.2	2.65	1.5591	1197.0
380	2.75	1.5689	1203.7	2.73	1.5681	1203.5	2.71	1.5672	1203.3	2.70	1.5664	1203.1
390	2.79	1.5760	1209.7	2.78	1.5752	1209.5	2.76	1.5744	1209.3	2.74	1.5735	1209.1
400 410	2.84 2.88	1.5830	1215.6	2.82	1.5821	1215.4	2.80	1.5813	1215.2	2.79	1.5805	1215.1
420	2.93	1.5964	1227.3	2.91	1.5956	1227.1	2.89	1.5948	1226.9	2.87	1.5940	1226.8
430	2.97	1.6029	1233.0	2.95	1.6021	1232.8	2.93	1.6013	1232.7	2.92	1.6005	1232.5
440	3.02	1.6092	1238.7	3.00	1.6084	1238.5	2.98	1.6076	1238.4	2.96	1.6068	1238.2
450	3.06	1.6154	1244.3	3.04	1.6146	1244.2	3.02	1.6139	1244.0	3.00	1.6131	1243.9
460 470	3.10 3.14	1.6215	1249.9	3.08	1.6207	1249.8	3.06 3.10	1.6260	1249.6	3.04 3.08	1.6192 1.6252	1249.5
480	3.18	1.6334	1260.9	3.16	1.6326	1260.8	3.14	1.6318	1260.7	3.12	1.6311	1255.0
490	3.22	1.6392	1266.4	3.20	1.6384	1266.3	3.18	1.6376	1266.1	3.16	1.6369	1266.0
500	3.26	1.6448	1271.8	3.24	1.6441	1271.7	3.22	1.6433	1271.6	3.20	1.6426	1271.5
510	3.31	1.6504	1277.2	3.29	1.6497	1277.1	3.27	1.6489	1277.0	3.25	1.6482	1276.9
520	3.35	1.6559	1282.6	3.33	1.6552	1282.5	3.31	1.6544	1282.3	3.29	1.6537	1282.2
530 540	3.39 3.43	1.6667	1287.9	3.37 3.41	1.6666	1293.1	3.35 3.38	1.6599	1287.7	3.33 3.36	1.6591 1.6645	1287.6 1292.9
550	3.47	1.6720	1298.5	3.45	1.6712	1298.4	3.42	1.6705	1298.3	3.40	1.6698	1298.2
600	3.66	1.6973	1324.7	3.64	1.6966	1324.6	3.62	1.6958	1324.5	3.59	1.6951	1324.4
650	3.85	1.7211	1350.5	3.83	1.7204	1350.5	3.81	1.7197	1350.4	3.78	1.7190	1350.3
700 750	4.04 4.22	1.7437 1.7653	1376.2 1401.8	4.02 4.20	1.7431	1376.2	3.99 4.17	1.7424	1376.1 1401.7	3.97 4.15	1.7417	1376.1
800	4.41	1.7861	1427.4	4.38	1.7854	1427.4	4.36	1.7848	1427.3	4.33	1.7841	1427.3
850	4.59	1.8061	1453.1	4.56	1.8054	1453.1	4.54	1.8048	1453.0	4.51	1.8041	1453.0
		173 [369.9]			174 [370.4]			175 [370.8]			176 [371.3]	
Şat.	2.63		1196.7	2.62		1196.8	2.61		1196.9	2.59		1196.9
	•	[369.9] 1.5582			[370.4] I.5577			[370.8] 1.5572			[371.3] 1.5567	
Sat. 380 390	2.63 2.68 2.73	[369.9]	1196.7 1202.9 1208.9	2.62 2.66 2.71	[370.4]	1196.8 1202.7 1208.7	2.61 2.65 2.69	[370.8]	1196.9 1202.5 1208.5	2.59 2.63 2.67	[371.3]	1196.9 1202.3 1208.3
380	2.68 2.73	[369.9] 1.5582 1.5656 1.5727	1202.9	2.66 2.71	[370.4] 1.5577 1.5647 1.5719	1202.7	2.65 2.69	[370.8] 1.5572 1.5639 1.5711	1202.5	2.63 2.67	[371.3] 1.5567 1.5631 1.5703	1202.3
380 390	2.68	[369.9] 1.5582 1.5656	1202.9	2.66	[370.4] 1.5577 1.5647	1202.7	2.65	[370.8] 1.5572 1.5639	1202.5	2.63	[371.3] 1.5567 1.5631	1202.3
380 390 400 410 420	2.68 2.73 2.77 2.81 2.86	[369.9] 1.5582 1.5656 1.5727 1.5797 1.5865 1.5932	1202.9 1208.9 1214.9 1220.8 1226.6	2.66 2.71 2.75 2.79 2.84	[370.4] 1.5577 1.5647 1.5719 1.5789 1.5857 1.5924	1202.7 1208.7 1214.7 1220.6 1226.4	2.65 2.69 2.74 2.78 2.82	[370.8] 1.5572 1.5639 1.5711 1.5781 1.5849 1.5916	1202.5 1208.5 1214.5 1220.4 1226.3	2.63 2.67 2.72 2.76 2.80	[371.3] 1.5567 1.5631 1.5703 1.5773 1.5841 1.5908	1202.3 1208.3 1214.3 1220.2 1226.1
380 390 400 410 420 430	2.68 2.73 2.77 2.81 2.86 2.90	[369.9] 1.5582 1.5656 1.5727 1.5797 1.5865 1.5932 1.5997	1202.9 1208.9 1214.9 1220.8 1226.6 1232.4	2.66 2.71 2.75 2.79 2.84 2.88	[370.4] 1.5577 1.5647 1.5719 1.5789 1.5857 1.5924 1.5989	1202.7 1208.7 1214.7 1220.6 1226.4 1232.2	2.65 2.69 2.74 2.78 2.82 2.86	[370.8] 1.5572 1.5639 1.5711 1.5781 1.5849 1.5916 1.5981	1202.5 1208.5 1214.5 1220.4 1226.3 1232.0	2.63 2.67 2.72 2.76 2.80 2.85	[371.3] 1.5567 1.5631 1.5703 1.5773 1.5841 1.5908 1.5973	1202.3 1208.3 1214.3 1220.2 1226.1 1231.9
380 390 400 410 420 430 440	2.68 2.73 2.77 2.81 2.86 2.90 2.94	1.5582 1.5656 1.5727 1.5797 1.5865 1.5932 1.5997 1.6061	1202.9 1208.9 1214.9 1220.8 1226.6 1232.4 1238.1	2.66 2.71 2.75 2.79 2.84 2.88 2.92	[370.4] 1.5577 1.5647 1.5719 1.5789 1.5857 1.5924 1.5989 1.6053	1202.7 1208.7 1214.7 1220.6 1226.4 1232.2 1237.9	2.65 2.69 2.74 2.78 2.82 2.86 2.91	[370.8] 1.5572 1.5639 1.5711 1.5781 1.5849 1.5916 1.5981 1.6045	1202.5 1208.5 1214.5 1220.4 1226.3 1232.0 1237.7	2.63 2.67 2.72 2.76 2.80 2.85 2.89	[371.3] 1.5567 1.5631 1.5703 1.5773 1.5841 1.5908 1.5908 1.5973 1.6037	1202.3 1208.3 1214.3 1220.2 1226.1 1231.9 1237.6
380 390 400 410 420 430 440	2.68 2.73 2.77 2.81 2.86 2.90 2.94 2.98	1.5582 1.5656 1.5727 1.5797 1.5865 1.5932 1.5997 1.6061	1202.9 1208.9 1214.9 1220.8 1226.6 1232.4 1238.1	2.66 2.71 2.75 2.79 2.84 2.88 2.92	[370.4] 1.5577 1.5647 1.5719 1.5789 1.5857 1.5924 1.5989 1.6053 1.6115	1202.7 1208.7 1214.7 1220.6 1226.4 1232.2 1237.9	2.65 2.69 2.74 2.78 2.82 2.86 2.91	[370.8] 1.5572 1.5639 1.5711 1.5781 1.5849 1.5916 1.5981 1.6045 1.6108	1202.5 1208.5 1214.5 1220.4 1226.3 1232.0 1237.7	2.63 2.67 2.72 2.76 2.80 2.85 2.89	[371.3] 1.5567 1.5631 1.5773 1.5773 1.5841 1.5908 1.5973 1.6037	1202.3 1208.3 1214.3 1220.2 1226.1 1231.9 1237.6
380 390 400 410 420 430 440 450 460	2.68 2.73 2.77 2.81 2.86 2.90 2.94 2.98 3.02	[369.9] 1.5582 1.5656 1.5727 1.5797 1.5865 1.5932 1.5997 1.6061 1.6123 1.6184	1202.9 1208.9 1214.9 1220.8 1226.6 1232.4 1238.1 1243.7 1249.3	2.66 2.71 2.75 2.79 2.84 2.88 2.92 2.96 3.00	[370.4] 1.5577 1.5647 1.5719 1.5789 1.5857 1.5924 1.5989 1.6053 1.6115 1.6177	1202.7 1208.7 1214.7 1220.6 1226.4 1232.2 1237.9 1243.6 1249.2	2.65 2.69 2.74 2.78 2.82 2.86 2.91 2.95 2.99	[370.8] 1.5572 1.5639 1.5711 1.5781 1.5849 1.5916 1.5981 1.6045 1.6108 1.6108	1202.5 1208.5 1214.5 1220.4 1226.3 1232.0 1237.7	2.63 2.67 2.72 2.76 2.80 2.85 2.89 2.93 2.97	[371.3] 1.5567 1.5631 1.5773 1.5773 1.5841 1.5908 1.5973 1.6007 1.6100 1.6162	1202.3 1208.3 1214.3 1220.2 1226.1 1231.9 1237.6
380 390 400 410 420 430 440	2.68 2.73 2.77 2.81 2.86 2.90 2.94 2.98	1.5582 1.5656 1.5727 1.5797 1.5865 1.5932 1.5997 1.6061	1202.9 1208.9 1214.9 1220.8 1226.6 1232.4 1238.1	2.66 2.71 2.75 2.79 2.84 2.88 2.92	[370.4] 1.5577 1.5647 1.5719 1.5789 1.5857 1.5924 1.5989 1.6053 1.6115	1202.7 1208.7 1214.7 1220.6 1226.4 1232.2 1237.9 1243.6 1249.2 1254.8	2.65 2.69 2.74 2.78 2.82 2.86 2.91	[370.8] 1.5572 1.5639 1.5711 1.5781 1.5849 1.5916 1.5945 1.6045 1.6108 1.6108 1.6230 1.6230 1.6289	1202.5 1208.5 1214.5 1220.4 1226.3 1232.0 1237.7 1243.4 1249.0 1254.6	2.63 2.67 2.72 2.76 2.80 2.85 2.89 2.93 2.97 3.01	[371.3] 1.5567 1.5631 1.5703 1.5773 1.5841 1.5908 1.5973 1.6037 1.6160 1.61622 1.6222 1.6222 1.62281	1202.3 1208.3 1214.3 1220.2 1226.1 1231.9 1237.6 1243.3 1248.9 1254.5
380 390 400 410 420 430 440 460 470	2.68 2.73 2.77 2.81 2.86 2.90 2.94 2.98 3.02 3.06	1.5582 1.5656 1.5727 1.5797 1.5865 1.5932 1.5997 1.6061 1.6123 1.6184 1.6245	1202.9 1208.9 1214.9 1220.8 1226.6 1232.4 1238.1 1243.7 1249.3 1254.9	2.66 2.71 2.75 2.79 2.84 2.88 2.92 2.96 3.00 3.05	[370.4] 1.5577 1.5647 1.5719 1.5857 1.5924 1.5989 1.6053 1.6115 1.6117 1.6237	1202.7 1208.7 1214.7 1220.6 1226.4 1232.2 1237.9 1243.6 1249.2 1254.8 1260.3	2.65 2.69 2.74 2.78 2.82 2.86 2.91 2.95 2.99 3.03	[370.8] 1.5572 1.5639 1.5711 1.5781 1.5849 1.5916 1.5981 1.6045 1.6108 1.6108 1.6109	1202.5 1208.5 1214.5 1220.4 1226.3 1232.0 1237.7 1243.4 1249.0 1254.6	2.63 2.67 2.72 2.76 2.80 2.85 2.89 2.93 2.97 3.01	[371.3] 1.5567 1.5631 1.5703 1.5773 1.5841 1.5908 1.5973 1.6000 1.6160 1.6162 1.6222	1202.3 1208.3 1214.3 1220.2 1226.1 1231.9 1237.6 1243.3 1248.9 1254.5
380 390 400 410 420 430 440 450 460 470 480 490	2.68 2.73 2.77 2.81 2.86 2.90 2.94 2.98 3.02 3.06 3.11	1.5582 1.5656 1.5727 1.5797 1.5865 1.5932 1.5993 1.6061 1.6123 1.6184 1.6245 1.6304 1.6362	1202.9 1208.9 1214.9 1220.8 1226.6 1232.4 1238.1 1243.7 1249.3 1254.9 1260.4 1265.9	2.66 2.71 2.75 2.79 2.84 2.88 2.92 2.96 3.00 3.05 3.09 3.13	[370.4] 1.5577 1.5647 1.5719 1.5789 1.5857 1.5924 1.5989 1.6053 1.6115 1.6177 1.6237 1.6236 1.6354	1202.7 1208.7 1214.7 1220.6 1226.4 1232.2 1237.9 1243.6 1249.2 1254.8 1260.3 1265.8	2.65 2.69 2.74 2.78 2.82 2.86 2.91 2.95 2.99 3.03 3.07 3.11	[370.8] 1.5572 1.5639 1.5711 1.5781 1.5849 1.5916 1.5981 1.6045 1.6108 1.6108 1.6230 1.6289 1.6347 1.6404	1202.5 1208.5 1214.5 1220.4 1226.3 1232.0 1237.7 1243.4 1249.0 1254.6 1260.1 1265.6	2.63 2.67 2.72 2.76 2.80 2.85 2.89 2.93 2.97 3.01 3.05 3.09	[371.3] 1.5567 1.5631 1.5703 1.5773 1.5841 1.5908 1.5973 1.600 1.6100 1.6102 1.6222 1.6281 1.6339 1.6397	1202.3 1208.3 1214.3 1220.2 1226.1 1231.9 1237.6 1243.3 1248.9 1254.5 1260.0 1265.5
380 390 400 410 420 430 440 450 460 470 480 490 500 510	2.68 2.73 2.77 2.81 2.86 2.90 2.94 2.98 3.02 3.06 3.11 3.15	1.5582 1.5656 1.5727 1.5797 1.5865 1.5932 1.5997 1.6061 1.6123 1.6184 1.6245 1.6304 1.6362 1.6419	1202.9 1208.9 1214.9 1220.8 1226.6 1232.4 1238.1 1243.7 1249.3 1254.9 1256.9 1271.3 1276.7	2.66 2.71 2.75 2.79 2.84 2.88 2.92 2.96 3.00 3.05 3.09 3.13 3.17 3.21	[370.4] 1.5577 1.5647 1.5719 1.5789 1.5857 1.5989 1.6053 1.6115 1.6177 1.6237 1.6236 1.6354 1.6411 1.6467	1202.7 1208.7 1214.7 1220.6 1226.4 1232.2 1237.9 1243.6 1249.2 1254.8 1260.3 1265.8	2.65 2.69 2.74 2.78 2.82 2.86 2.91 2.95 2.99 3.03 3.07 3.11 3.15 3.19	[370.8] 1.5572 1.5639 1.5711 1.5781 1.5849 1.5916 1.5961 1.6045 1.6169 1.6230 1.6289 1.6347 1.6404 1.6460	1202.5 1208.5 1214.5 1220.4 1226.3 1232.0 1237.7 1243.4 1249.0 1254.6 1260.1 1265.6	2.63 2.67 2.72 2.76 2.80 2.85 2.89 2.93 2.97 3.01 3.05 3.09 3.13 3.17	[371.3] 1.5567 1.5631 1.5703 1.5773 1.5841 1.5908 1.5973 1.6037 1.6100 1.6100 1.6102 1.6222 1.6281 1.6339 1.6339 1.6337 1.6453	1202.3 1208.3 1214.3 1220.2 1226.1 1231.9 1237.6 1243.3 1248.9 1254.5 1260.0 1265.5
380 390 410 420 430 440 450 460 470 480 490 510 520	2.68 2.73 2.77 2.81 2.86 2.90 2.94 2.98 3.02 3.06 3.11 3.15 3.19 3.23 3.27	1.5582 1.5656 1.5727 1.5797 1.5865 1.5932 1.5993 1.6061 1.6123 1.6184 1.6245 1.6304 1.6362	1202.9 1208.9 1214.9 1220.8 1226.6 1232.4 1238.1 1243.7 1249.3 1254.9 1260.4 1265.9	2.66 2.71 2.75 2.79 2.84 2.88 2.92 2.96 3.05 3.05 3.09 3.13 3.17 3.21 3.25	[370.4] 1.5577 1.5647 1.5719 1.5857 1.5924 1.5989 1.6053 1.6115 1.6227 1.6226 1.6354 1.6411 1.6467 1.6523	1202.7 1208.7 1214.7 1220.6 1226.4 1232.2 1237.9 1243.6 1249.2 1256.8 1256.8 1271.2 1276.6 1282.0	2.65 2.69 2.74 2.78 2.82 2.86 2.91 2.95 2.99 3.03 3.07 3.11 3.15 3.19 3.23	[370.8] 1.5572 1.5639 1.5711 1.5781 1.5849 1.5916 1.5945 1.6045 1.6169 1.6230 1.6230 1.6289 1.6347 1.6404 1.6460 1.6515	1202.5 1208.5 1214.5 1220.4 1226.3 1232.0 1237.7 1243.4 1249.0 1254.6 1260.1 1265.6	2.63 2.67 2.72 2.76 2.80 2.85 2.89 2.93 2.97 3.05 3.09 3.13 3.17 3.21	[371.3] 1.5567 1.5631 1.5703 1.5773 1.5841 1.5908 1.5973 1.6037 1.6160 1.61622 1.6281 1.6339 1.6339 1.6453 1.6508	1202.3 1208.3 1214.3 1220.2 1226.1 1231.9 1237.6 1243.3 1248.9 1254.5 1260.0 1265.5
380 390 400 410 420 430 440 450 460 470 480 490 500 510	2.68 2.73 2.77 2.81 2.86 2.90 2.94 2.98 3.02 3.06 3.11 3.15	1.5582 1.5656 1.5727 1.5797 1.5865 1.5932 1.5997 1.6061 1.6123 1.6184 1.6245 1.6304 1.6362 1.6419	1202.9 1208.9 1214.9 1220.8 1226.6 1232.4 1238.1 1243.7 1249.3 1254.9 1256.9 1271.3 1276.7	2.66 2.71 2.75 2.79 2.84 2.88 2.92 2.96 3.00 3.05 3.09 3.13 3.17 3.21	[370.4] 1.5577 1.5647 1.5719 1.5789 1.5857 1.5989 1.6053 1.6115 1.6177 1.6237 1.6236 1.6354 1.6411 1.6467	1202.7 1208.7 1214.7 1220.6 1226.4 1232.2 1237.9 1243.6 1249.2 1254.8 1260.3 1265.8	2.65 2.69 2.74 2.78 2.82 2.86 2.91 2.95 2.99 3.03 3.07 3.11 3.15 3.19	[370.8] 1.5572 1.5639 1.5711 1.5781 1.5849 1.5916 1.5961 1.6045 1.6169 1.6230 1.6289 1.6347 1.6404 1.6460	1202.5 1208.5 1214.5 1220.4 1226.3 1232.0 1237.7 1243.4 1249.0 1254.6 1260.1 1265.6	2.63 2.67 2.72 2.76 2.80 2.85 2.89 2.93 2.97 3.01 3.05 3.09 3.13 3.17	[371.3] 1.5567 1.5631 1.5703 1.5773 1.5841 1.5908 1.5973 1.6037 1.6100 1.6100 1.6102 1.6222 1.6281 1.6339 1.6339 1.6337 1.6453	1202.3 1208.3 1214.3 1220.2 1226.1 1231.9 1237.6 1243.3 1248.9 1254.5 1260.0 1265.5
380 390 400 410 420 430 440 450 460 470 480 490 510 520 530	2.68 2.73 2.77 2.81 2.86 2.90 2.94 2.98 3.06 3.11 3.15 3.19 3.23 3.27 3.31 3.34	1.5582 1.5582 1.5565 1.5727 1.5797 1.5865 1.5997 1.6061 1.6123 1.6184 1.6304 1.63062 1.6419 1.6419 1.6530 1.6530 1.6584	1202.9 1208.9 1214.9 1220.8 1226.6 1232.4 1238.1 1243.7 1249.3 1254.9 1265.9 1271.3 1265.9	2.66 2.71 2.75 2.79 2.84 2.88 2.92 2.96 3.00 3.05 3.13 3.17 3.21 3.25 3.29	[370.4] 1.5577 1.5647 1.5719 1.5789 1.5857 1.5924 1.5989 1.6053 1.6115 1.6127 1.6296 1.6236 1.6411 1.6467 1.6523 1.6577	1202.7 1208.7 1214.7 1220.6 1226.4 1237.9 1243.6 1249.2 1254.8 1265.8 1271.2 1276.2 1276.2	2.65 2.69 2.74 2.78 2.86 2.91 2.95 2.99 3.03 3.07 3.11 3.15 3.19 3.23 3.27	[370.8] 1.5572 1.5639 1.5711 1.5781 1.5849 1.5916 1.5981 1.6045 1.6108 1.6108 1.6230 1.6289 1.6230 1.6289 1.6251 1.6404 1.6464 1.6555 1.6570	1202.5 1208.5 1214.5 1220.4 1226.3 1232.0 1237.7 1243.4 1249.0 1254.6 1265.6 1271.1 1265.6	2.63 2.67 2.72 2.76 2.80 2.85 2.89 2.93 2.97 3.05 3.09 3.13 3.21 3.21	[371.3] 1.5567 1.5631 1.5703 1.5773 1.5841 1.5908 1.5973 1.6037 1.6100 1.6102 1.6222 1.6281 1.6339 1.6453 1.6508 1.6508 1.6508	1202.3 1208.3 1214.3 1220.2 1226.1 1231.9 1237.6 1243.3 1248.9 1254.5 1260.0 1265.5
380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 600	2.68 2.73 2.77 2.81 2.86 2.90 2.94 2.98 3.02 3.02 3.11 3.15 3.19 3.23 3.27 3.31	1.5582 1.5656 1.5727 1.5797 1.5865 1.5993 1.5997 1.6061 1.6123 1.6184 1.6245 1.6304 1.6362 1.6419 1.6475 1.6530 1.6584 1.6638	1202.9 1208.9 1214.9 1220.8 1226.6 1232.4 1238.1 1243.7 1249.3 1254.9 1260.4 1265.9 1271.3 1276.7 1282.1 1287.5 1292.8	2.66 2.71 2.75 2.79 2.84 2.82 2.92 2.96 3.00 3.05 3.09 3.13 3.17 3.21 3.25 3.32 3.32	1.5577 1.5647 1.5719 1.5789 1.5857 1.5989 1.6053 1.6115 1.6177 1.6237 1.6296 1.6354 1.6411 1.6467 1.6523 1.6577 1.6631	1202.7 1208.7 1214.7 1220.6 1226.4 1232.2 1237.9 1243.6 1249.2 1254.8 1260.3 1265.8 1271.2 1276.6 1282.0 1287.4 1292.7	2.65 2.69 2.74 2.78 2.82 2.86 2.91 2.95 2.99 3.03 3.07 3.11 3.15 3.19 3.23 3.27	[370.8] 1.5572 1.5639 1.5711 1.5781 1.5849 1.5916 1.5981 1.6045 1.6168 1.6168 1.6168 1.6230 1.6230 1.6230 1.6240 1.6515 1.6570 1.6624 1.6676 1.6931	1202.5 1208.5 1214.5 1220.4 1226.3 1232.0 1237.7 1243.4 1249.0 1254.6 1260.1 1265.6 1271.1 1276.5 1281.9 1287.3 1292.6	2.63 2.67 2.72 2.76 2.85 2.89 2.93 2.97 3.01 3.05 3.09 3.13 3.17 3.21 3.22 3.28	1.5567 1.5631 1.5703 1.5773 1.5841 1.5908 1.5973 1.6037 1.6160 1.61622 1.6281 1.6339 1.6453 1.6508 1.6562 1.6568 1.6566 1.6669 1.6669	1202.3 1208.3 1214.3 1220.2 1226.1 1231.9 1237.6 1248.9 1254.5 1260.0 1265.5 1271.0 1276.4 1281.8 1287.2 1292.5
380 390 400 410 420 430 440 450 460 470 480 490 500 530 540 550 600 65b	2.68 2.73 2.77 2.81 2.86 2.90 2.94 2.98 3.02 3.03 3.11 3.15 3.19 3.23 3.27 3.31 3.34	1.5582 1.5582 1.55656 1.5727 1.5797 1.5865 1.5997 1.6061 1.6123 1.6184 1.6245 1.6362 1.6475 1.6530 1.6584 1.6638 1.6691 1.6691 1.6944	1202.9 1208.9 1214.9 1220.8 1226.6 1232.4 1238.1 1243.7 1249.3 1254.9 1265.9 1271.3 1287.5 1292.8 1298.1 1324.4 1350.3	2.66 2.71 2.75 2.79 2.84 2.88 2.92 2.96 3.00 3.05 3.09 3.13 3.17 3.25 3.29 3.32 3.32 3.36 3.55 3.74	1.5577 1.5647 1.5719 1.5789 1.5857 1.5924 1.5989 1.6053 1.6115 1.6237 1.6236 1.6237 1.6236 1.6411 1.6467 1.6523 1.6577 1.6631 1.6683 1.6683 1.6937 1.7177	1202.7 1208.7 1214.7 1220.6 1226.4 1237.9 1243.6 1249.2 1254.8 1260.3 1265.8 1271.2 1276.6 1282.0 1287.4 1292.7	2.65 2.69 2.74 2.78 2.82 2.86 2.91 2.95 2.99 3.07 3.11 3.15 3.19 3.23 3.27 3.30	[370.8] 1.5572 1.5639 1.5711 1.5781 1.5849 1.5916 1.5981 1.6045 1.6108 1.6108 1.6230 1.6289 1.6347 1.6404 1.6464 1.6551 1.6570 1.6624 1.6676 1.6931 1.7170	1202.5 1208.5 1214.5 1220.4 1226.3 1237.7 1243.4 1249.0 1254.6 1271.1 1265.6 1271.1 1281.9 1281.9 1287.3 1292.6	2.63 2.67 2.72 2.76 2.80 2.85 2.89 2.93 2.97 3.05 3.09 3.13 3.21 3.25 3.28 3.32 3.51 3.70	1.5567 1.5631 1.5703 1.5773 1.5841 1.5908 1.5973 1.600 1.6100 1.6122 1.6222 1.6281 1.6339 1.6453 1.6508 1.6562 1.6669 1.6669 1.6669 1.6669 1.6669	1202.3 1208.3 1214.3 1220.2 1226.1 1231.9 1237.6 1243.3 1248.9 1254.5 1260.0 1265.5 1271.0 1281.8 1287.2 1292.5
380 390 400 410 420 430 440 450 480 490 510 520 530 540 600 655 700	2.68 2.73 2.77 2.81 2.86 2.90 2.94 2.98 3.02 3.06 3.11 3.15 3.23 3.23 3.23 3.31 3.34 3.38 3.57 3.76 3.94	1.5582 1.5656 1.5727 1.5727 1.5797 1.5865 1.5993 1.6061 1.6123 1.6184 1.6245 1.6304 1.6475 1.6530 1.6484 1.6638 1.6691 1.6694 1.7183 1.7410	1202.9 1208.9 1214.9 1220.8 1226.6 1232.4 1238.1 1243.7 1249.3 1254.9 1260.4 1265.9 1271.3 1276.7 1282.1 1282.1 1292.8 1292.8	2.66 2.71 2.75 2.79 2.84 2.92 2.96 3.00 3.05 3.09 3.13 3.21 3.25 3.32 3.36 3.53 3.74 3.92	1.5577 1.5647 1.5719 1.5789 1.5857 1.5989 1.6053 1.6115 1.6177 1.6237 1.6296 1.6354 1.6441 1.6467 1.6523 1.6577 1.6633 1.6633 1.6177 1.7177 1.7403	1202.7 1208.7 1214.7 1220.6 1226.4 1232.2 1237.9 1243.6 1249.2 1254.8 1260.3 1265.8 1271.2 1276.6 1282.0 1287.4 1292.7 1298.0	2.65 2.69 2.74 2.78 2.86 2.91 2.95 2.99 3.03 3.07 3.11 3.15 3.23 3.23 3.23 3.23 3.23 3.23 3.23	[370.8] 1.5572 1.5639 1.5711 1.5781 1.5981 1.5916 1.608 1.6169 1.6230 1.6289 1.6347 1.6404 1.6460 1.6515 1.6570 1.6624 1.6676 1.6931 1.7170 1.7397	1202.5 1208.5 1214.5 1220.4 1226.3 1232.0 1237.7 1243.4 1249.0 1254.6 1260.1 1271.1 1276.5 1281.9 1287.3 1292.6 1297.9 1324.2 1350.1 1350.1	2.63 2.67 2.72 2.76 2.85 2.89 2.93 2.97 3.01 3.05 3.09 3.13 3.21 3.22 3.32 3.51 3.70 3.88	[371.3] 1.5567 1.5631 1.5703 1.5773 1.5841 1.5908 1.69037 1.6100 1.6102 1.6222 1.6281 1.6339 1.6453 1.6508 1.6508 1.6508 1.6508 1.6508 1.6508 1.6508 1.6508 1.6508 1.6508 1.6508	1202.3 1208.3 1214.3 1220.2 1226.1 1231.9 1237.6 1243.3 1248.9 1254.5 1260.0 1265.5 1271.0 1276.4 1281.8 1287.2 1292.5 1292.5
380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 600 65b 700 750	2.68 2.73 2.77 2.81 2.86 2.90 2.94 2.98 3.02 3.01 3.15 3.13 3.23 3.27 3.31 3.34 3.35 3.57 3.76 3.94 4.13	1.5582 1.5656 1.5727 1.5797 1.5865 1.5993 1.5997 1.6061 1.6123 1.6124 1.6245 1.6362 1.6362 1.6419 1.6475 1.6530 1.6584 1.6638 1.6691 1.6691 1.7410 1.7627	1202.9 1208.9 1214.9 1220.8 1226.6 1232.4 1238.1 1243.7 1243.7 1244.9 1256.9 1271.3 1276.7 1282.1 1287.5 1292.8 1298.1 1324.4 1350.3 1376.0 1401.6	2.66 2.71 2.75 2.79 2.84 2.88 2.92 2.96 3.05 3.09 3.13 3.17 3.21 3.25 3.29 3.32 3.32 3.36 3.55 3.74	1.5577 1.5647 1.5719 1.5789 1.5857 1.5924 1.5989 1.6053 1.6115 1.6237 1.6237 1.6236 1.6354 1.64411 1.6467 1.6523 1.6577 1.6631 1.6683 1.6937 1.7177 1.7403 1.7620	1202.7 1208.7 1214.7 1220.6 1226.4 1232.2 1237.9 1243.6 1249.2 1254.8 1260.3 1265.8 1271.2 1276.6 1282.0 1287.4 1292.7 1298.0 1324.3 1350.2 1375.9 1401.6	2.65 2.69 2.74 2.78 2.82 2.91 2.95 2.99 3.03 3.07 3.11 3.15 3.23 3.27 3.30 3.37 3.30 3.40 3.53 3.72 3.98	[370.8] 1.5572 1.5639 1.5711 1.5781 1.5849 1.5916 1.5981 1.6045 1.6169 1.6230 1.6289 1.6347 1.6404 1.6460 1.6515 1.6570 1.6624 1.6676 1.6931 1.7170 1.7613	1202.5 1208.5 1214.5 1220.4 1226.3 1232.0 1237.7 1243.4 1249.0 1254.6 1260.1 1265.6 1271.1 1276.5 1281.9 1287.3 1292.6 1297.9 1324.2 1350.1 1375.9 1401.5	2.63 2.67 2.72 2.76 2.80 2.85 2.89 2.93 2.97 3.05 3.05 3.09 3.13 3.21 3.25 3.21 3.25 3.28 3.51 3.70 3.88 4.06	[371.3] 1.5567 1.5631 1.5703 1.5773 1.5841 1.5908 1.5973 1.600 1.6160 1.6162 1.6222 1.6281 1.6339 1.6339 1.6453 1.6508 1.6508 1.6562 1.6616 1.6669 1.4924 1.7163 1.7390 1.7607	1202.3 1208.3 1214.3 1220.2 1226.1 1231.9 1237.6 1248.9 1254.5 1260.0 1265.5 1271.0 1276.4 1281.8 1287.2 1292.5 1297.8 1324.1 1350.1 1375.8 1401.5
380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 600 65b 700 750	2.68 2.73 2.77 2.81 2.86 2.90 2.94 2.98 3.02 3.03 3.11 3.15 3.13 3.23 3.27 3.31 3.34 3.57 3.76 3.94 4.13	1.5582 1.5582 1.5556 1.5727 1.5797 1.5865 1.5932 1.6961 1.6123 1.6184 1.6245 1.6304 1.6362 1.6419 1.6475 1.6530 1.6584 1.6638 1.6691 1.6944 1.7183 1.7410 1.7627	1202.9 1208.9 1214.9 1220.8 1226.6 1232.4 1238.1 1243.7 1243.7 1249.3 1254.9 1265.9 1271.3 1276.7 1282.1 1287.5 1292.8 1298.1 1324.4 1350.3 1376.0 1401.6	2.66 2.71 2.75 2.79 2.84 2.88 2.92 2.96 3.00 3.05 3.09 3.13 3.17 3.25 3.29 3.32 3.32 4.10	1.5577 1.5647 1.5719 1.5789 1.5857 1.5924 1.5989 1.6053 1.6115 1.6296 1.6236 1.6411 1.6467 1.6523 1.6577 1.6631 1.6683 1.6937 1.7177 1.7403 1.7403 1.7403	1202.7 1208.7 1214.7 1220.6 1226.4 1232.2 1237.9 1243.6 1249.2 1254.8 1265.8 1271.2 1276.6 1282.0 1287.4 1292.7 1298.0 1324.3 1350.2 1375.9 1401.6	2.65 2.69 2.74 2.78 2.82 2.86 2.91 2.95 2.99 3.03 3.07 3.11 3.15 3.23 3.27 3.30 3.31 3.53 3.72 3.90 4.08	[370.8] 1.5572 1.5639 1.5711 1.5781 1.5849 1.5916 1.5981 1.6045 1.6168 1.6168 1.6168 1.6230 1.6230 1.6240 1.6460 1.65515 1.6570 1.6624 1.6676 1.6931 1.7170 1.7397 1.7613	1202.5 1208.5 1214.5 1220.4 1226.3 1232.0 1237.7 1243.4 1249.0 1256.6 1271.1 1265.6 1271.1 1276.5 1281.9 1287.3 1292.6 1297.9 1324.2 1350.1 1375.9 1401.5	2.63 2.67 2.72 2.76 2.80 2.85 2.89 2.93 2.97 3.05 3.05 3.17 3.21 3.25 3.28 3.351 3.70 3.88 4.06 4.23	[371.3] 1.5567 1.5631 1.5703 1.5773 1.5841 1.5908 1.5973 1.6037 1.6100 1.6162 1.6222 1.6281 1.6339 1.6397 1.6453 1.65562 1.6616 1.6669 1.6924 1.7163 1.7163 1.7167 1.7815	1202.3 1208.3 1214.3 1220.2 1226.1 1231.9 1237.6 1243.3 1248.9 1254.5 1260.0 1265.5 1271.0 1281.8 1287.2 1292.5 1297.8 1324.1 1350.1 1375.8 1401.5
380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 600 65b 700 750	2.68 2.73 2.77 2.81 2.86 2.90 2.94 2.98 3.02 3.01 3.15 3.13 3.23 3.27 3.31 3.34 3.35 3.57 3.76 3.94 4.13	1.5582 1.5656 1.5727 1.5797 1.5865 1.5993 1.5997 1.6061 1.6123 1.6124 1.6245 1.6362 1.6362 1.6419 1.6475 1.6530 1.6584 1.6638 1.6691 1.6691 1.7410 1.7627	1202.9 1208.9 1214.9 1220.8 1226.6 1232.4 1238.1 1243.7 1243.7 1244.9 1256.9 1271.3 1276.7 1282.1 1287.5 1292.8 1298.1 1324.4 1350.3 1376.0 1401.6	2.66 2.71 2.75 2.79 2.84 2.88 2.92 2.96 3.05 3.09 3.13 3.17 3.21 3.25 3.29 3.32 3.32 3.36 3.55 3.74	1.5577 1.5647 1.5719 1.5789 1.5857 1.5924 1.5989 1.6053 1.6115 1.6237 1.6237 1.6236 1.6354 1.64411 1.6467 1.6523 1.6577 1.6631 1.6683 1.6937 1.7177 1.7403 1.7620	1202.7 1208.7 1214.7 1220.6 1226.4 1232.2 1237.9 1243.6 1249.2 1254.8 1260.3 1265.8 1271.2 1276.6 1282.0 1287.4 1292.7 1298.0 1324.3 1350.2 1375.9 1401.6	2.65 2.69 2.74 2.78 2.82 2.91 2.95 2.99 3.03 3.07 3.11 3.15 3.23 3.27 3.30 3.37 3.30 3.34 3.53 3.72 3.98	[370.8] 1.5572 1.5639 1.5711 1.5781 1.5849 1.5916 1.5981 1.6045 1.6169 1.6230 1.6289 1.6347 1.6404 1.6460 1.6515 1.6570 1.6624 1.6676 1.6931 1.7170 1.7613	1202.5 1208.5 1214.5 1220.4 1226.3 1232.0 1237.7 1243.4 1249.0 1254.6 1260.1 1265.6 1271.1 1276.5 1281.9 1287.3 1292.6 1297.9 1324.2 1350.1 1375.9 1401.5	2.63 2.67 2.72 2.76 2.80 2.85 2.89 2.93 2.97 3.05 3.05 3.09 3.13 3.21 3.25 3.21 3.25 3.28 3.51 3.70 3.88 4.06	[371.3] 1.5567 1.5631 1.5703 1.5773 1.5841 1.5908 1.5973 1.600 1.6160 1.6162 1.6222 1.6281 1.6339 1.6339 1.6453 1.6508 1.6508 1.6562 1.6616 1.6669 1.4924 1.7163 1.7390 1.7607	1202.3 1208.3 1214.3 1220.2 1226.1 1231.9 1237.6 1248.9 1254.5 1260.0 1265.5 1271.0 1276.4 1281.8 1287.2 1292.5 1297.8 1324.1 1350.1 1375.8 1401.5

Pres- sure		177 [371.8]			178 [372.2]			179 [372.7]			180 [373.1]	
Temp	▼	8	i	▼	8	i	▼		i	▼		i
Sat.	2.58	1.5562	1197.0	2.56	1.5557	1197.1	2.55	1.5552	1197.2	2.54	1.5547	1197.2
380 390	2.62 2.66	1.5623 1.5695	1202.1	2.60 2.64	1.5614 1.5686	1201.9	2.58 2.62	1.5606 1.5678	1201.7	2.57 2.61	1.5598	1201.4
400 410	2.70 2.74	1.5765	1214.1	2.68	1.5757	1213.9	2.67	1.5749	1213.8	2.65	1.5741	1213.6
420	2.79	1.5900	1225.9	2.77	1.5892	1225.8	2.75	1.5884	1225.6	2.74	1.5877	1225.4
430 440	2.83 2.87	1.5966	1231.7	2.81 2.85	1.5958	1231.5	2.79 2.84	1.5950	1231.4	2.78 2.82	1.5943 1.6007	1231.2
450	2.91	1.6093	1243.1	2.89	1.6085	1243.0	2.88	1.6077	1242.8	2.86	1.6070	1242.7
460 470	2.95 2.99	1.6155	1248.8	2.93 2.97	1.6147	1248.6	2.92 2.96	1.6139	1248.5	2.90 2.94	1.6132	1248.3
480	3.03	1.6274	1259.9	3.01	1.6266	1259.8	3.00	1.6259	1259.6	2.98	1.6252	1259.5
490	3.07	1.6332	1265.4	3.05	1.6325	1265.3	3.04	1.6318	1265.1	3.02	1.6310	1265.0
500	3.11	1.6390	1270.9	3.09	1.6382	1270.7	3.07	1.6375 1.6431	1270.6 1276.1	3.06	1.6368	1270.5
510 520	3.15 3.19	1.6446	1276.3	3.13 3.17	1.6438 1.6494	12/0.2	3.11 3.15	1.6487	1281.5	3.10 3.13	1.6480	1275.9
530	3.23	1.6556	1287.1	3.21	1.6548	1287.0	3.19	r.6541	1286.9	3.17	1.6534	1286.8
540;	3.27	1.6610	1292.4	3.25	1.6602	1292.3	3.23	1.6595	1292.2	3.21	1.6588	1292.1
550	3.30	1.6663	1297.7.	3.29	1.6655	1297.6	3.27	1.6648	1297.5	3.25	1.6641	1297.4
600 650	3.49 3.67	1.6917	1324.1 1350.0	3·47 3.65	1.6910 1.7150	1324.0 1349.9	3·45 3.63	1.5903 1.7143	1323.9 1349.9	3.43 3.61	1.6896 1.7136	1323.8 1349.8
700	3.85	1.7384	1375.8	3.83	1.7377	1375.7	3.81	1.7370	1375.7	3.79	1.7364	1375.6
750	4.03	1.7601	1401.5	4.01	1.7594	1401.4	3.99	1.7587	1401.4	3.96	1.7581	1401.3
800	4.21	1.7809	1427.1	4.18	1.7802	1427.1	4.16	1.7795	1427.0	4.14	1.7789	1427.0
850 900	4.38 4.66	1.8009	1452.8	4.36 4.63	1.8002	1452.8 1478.6	4.33 4.51	1.7995 1.8189	1452.8 1478.6	4.31 4.49	1.7989	1452.7 1478.6
-		· · ·										
		[373.6]			182 [374.0]			183 [374-5]			184 [374-9]	
Sat.	2.52	1.5542	1197.3	2.51	1.5538	1197.4	2.50	1.5533	1197.4	2.48	1.5528	1197.5
380 390	2.55 2.59	1.5590	1201.2	2.54 2.58	1.5582 1.5654	1201.0 1207.1	2.52 2.56	1.5574	1200.8	2.50 2.55	1.5566	1200.6 1206.8
400	2.64	1.5733	1213.4	2.62	1.5725	1213.2	2.60	1.5717	1213.0	2.59	1.5710	1212.8
410 420	2.68	1.5802	1219.3	2.66 2.70	1.5794 1.5861	1219.2	2.65 2.69	1.5786	1219.0	2.63 2.67	1.5779	1218.8
430	2.76	1.5935	1231.1	2.75	1.5927	1230.9	2.73	1.5920	1230.7	2.71	1.5912	1230.6
440	2.80	1.5999	1236.8	2.79	1.5992	1236.7	2.77	1.5984	1236.5	2.75	1.5977	1236.4
450	2.84	1.6063	1242.5	2.83	1.6055	1242.4	2.81	1.6048	1242.2	2.79	1.6040	1242.1
460 470	2.88 2.92	1.6125	1248.2	2.87 2.91	1.6117 1.6178	1248.1	2.85 2.89	1.6110	1247.9 1253.5	2.83 2.87	1.6102 1.6163	1247.8
480	2.96	1.6245	1259.4	2.94	1.6237	1259.2	2.93	1.6230	1259.1	2.91	1.6223	1259.0
490	3.00	1.6303	1264.9	2.98	1.6296	1264.8	2.97	1.6289	1264.6	2.95	1.6282	1264.5
500	3.04	1.6361	1270.4	3.02	1.6353	1270.3	3.00	1.6346	1270.1	2.99	1.6339	1270.0
510 520	3.08 3.12	1.6417	1275.8	3.06 3.10	1.6410	1275.7	3.04 3.08	1.6459	1275.6	3.03 3.06	1.6396 1.6452	
530	3.15	1.6527	1286.6	3.14	1.6520	1286.5	3.12	1.6513	1286.4	3.10	1.6507	1286.3
540	3.19	1.6581	1292.0	3.17	1.6574	1291.9	3.15	1.6567	1291.8	3.14	1.6561	1291.7
550	3.23	1.6634	1297.3	3.21	1.6627	1297.3	3.19	1.6621	1297.2	3.17	1.6614	1297.1
600	3.41	1.6890	1323.7	3.39	1.6883	1323.7	3.37	1.6876	1323.6	3.35	1.6870	1323.5
650 700	3·59 3·77	1.7130	1349.7 1375.6	3·57 3·75	1.7123	1349.7 1375.5	3·55 3·73	1.7116	1349.6 1375.5	3· 53 3·71	1.7110	1349.5 1375.4
750	3.94	1.7574	1401.3	3.92	1.7568	1401.2	3.90	1.7561	1401.2	3.88	1.7555	1401.1
800	4.11	1.7782	1427.0	4.09	1.7776	1426.9	4.07	1.7770	1426.9	4.05	1.7764	1426.8
850	4.28	1.7983	1452.7	4.26	1.7976	1452.7	4.24	1.7970	1452.6	4.21	1.7964	1452.6
900	4.45	1.8176	1478.5	4-43	1.8170	1478.5	4.41	1.8164	1478.5	4.38	1.8158	1478.5

Pres- sure		185 [375-4]		•	186 [375.8]			187 [376.3]			188 [376.7]	
Temp	•		i	•	8	i	•		i	•		i
Sat.	2.47	1.5523	1197.6	2.46	1.5519	1197.6	2.44.	1.5514	1197.7	2.43	1.5509	1197.8
380 390	2.49 2.53	1.5558	1200.4	2.48 2.52	1.5550	1200.2 1206.4	2.46 2.50	1.5542	1200.0 1206.2	2.45 2.49	1.5534	1199.8 1206.0
400	2.57	1.5702	1212.6	2.56	1.5694	1212.5	2.54	1.5686	1212.3	2.53	1.5679	1212.1
410	2.62	1.5771	1218.6	2.60	1.5763	1218.5	2.59	1.5756	1212.3	2.57	1.5748	1218.1
420	2.66	1.5839	1224.5	2.64	1.5831	1224.4	2.63	1.5824	1224.2	2.61	1.5816	1224.0
430	2.70	1.5905	1230.4	2.68	1.5897	1230.2	2.67	1.5890	1230.1	2.65	1.5883	1229.9
440	2.74	1.5970	1236.2	2.72	1.5962	1236.0	2.71	1.5955	1235.9	2.69	1.5948	1235.7
450	2.78	1.6033	1241.9	2.76	1.6026	1241.8	2.75	1.6019	1241.6	2.73	1.6011	1241.5
460	2.82	1.6095	1247.6	2.80	1.6088	1247.5	2.79	1.6081	1247.3	2.77	1.6074	1247.2
470 480	2.86 2.90	1.6156 1.6216	1253.3	2.84 2.88	1.6149	1253.1	2.82 2.86	1.6142 1.6202	1253.0	2.81 2.85	1.6135	1252.8
490	2.93	1.6275	1264.4	2.92	1.6268	1264.3	2.90	1.6261	1264.1	2.88	1.6254	1250.4
. [_								
500	2.97	1.6332	1269.9	2.95	1.6325	1269.8	2.94	1.6318	1269.6	2.92	1.6311	1269.5
510 520	3.01 3.04	-1.6389 1.6445	1275.4	2.99 3.03	1.6382 1.6438	1275.3	2.97 3.01	1.6375 1.6431	1275.1	2.96 2.99	1.6368	1275.0
530	3.08	1.6500	1286.2	3.06	1.6493	1286.1	3.05	1.6486	1286.0	3.03	1.6479	1285.9
540	3.12	1.6554	1291.6	3.10	1.6547	1291.5	3.08	1.6540	1291.4	3.07	1.6534	1291.3
550	3.16	1.6607	1297.0	3.14	1.6600	-006 a		- 6-04			- 6-0-	
600	3.34	1.6863	1373.4	3.32	1.6857	1296.9 1323.3	3.12	1.6594 1.6850	1296.8	3.10 3.28	1.6587 1.6843	1296.7 1323.2
650	3.51	1.7104	1349.5	3.49	1.7097	1349.4	3.47	1.7091	1349.4	3.45	1.7084	1349.3
700	3.68	1.7331	1375.4	3.66	1.7325	1375-3	3.64	1.7318	1375.2	3.62	1.7312	1375.2
750	3.85	1.7549	1401.1	3.83	1.7543	1401.0	3.81	1.7536	1401.0	3.79	1.7530	1400.9
800	4.02	1.7757	1426.8	4.00	1.7751	1426.8	3.98	I.7745	1426.7	3.96	1.7739	1426.7
850	4.19	1.7958	1452.6	4.17	1.7952	1452.6	4.15	1.7946	1452.5	4.12	1.7939	1452.5
900	4.36	1.8152	1478.5	4-34	1.8146	1478.4	4.31	1.8139	1478.4	4.29	1.8133	1478.4
		189 [377.1]			190			191			192	
Sat.	2.42	1.5505	1197.8	2.41	[377.6]	7707.0	0.20	[378.0]	77070	2.38	[378.5]	1198.0
Dud	2.42	1.5505	1197.0	2.41	1.5500	1197.9	2.39	1.5496	1197.9	2.30	1.5491	1190.0
38o	2.43	1.5526	1199.6	2.42	1.5518	1199.4	2.40	1.5510	1199.2	2.39	1.5503	1198.9
390	2.47	1.5599	1205.8	2.46	1.5592	1205.6	2.45	1.5584	1205.4	2.43	1.5576	1205.2
400	2.52	6				- 1						
410	~ -6	1.5671	1211.9	2.50	1.5663	1211.7	2.49	1.5656	1211.5	2.47	1.5648	1211.3
420	2.56	1.5741	1217.9	2.54	1.5733	1217.7	2.53	1.5726	1217.5	2.51	1.5718	1217.4
- 1	2.60	1.5741 1.5809	1217.9	2.54 2.58	1.5733	1217.7	2.53 2.57	1.5726 1.5794	1217.5	2.51 2.55	1.5718	1217.4 1223.4
430		1.5741 1.5809 1.5875	1217.9 1223.9 1229.8	2.54 2.58 2.62	1.5733 1.5801 1.5868	1217.7 1223.7 1229.6	2.53 2.57 2.61	1.5726 1.5794 1.5861	1217.5 1223.5 1229.4	2.51 2.55 2.59	1.5718 1.5786 1.5853	1217.4 1223.4 1229.3
430 440	2.60 2.64 2.68	1.5741 1.5809 1.5875 1.5940	1217.9 1223.9 1229.8 1235.6	2.54 2.58 2.62 2.66	1.5733 1.5801 1.5868 1.5933	1217.7 1223.7 1229.6 1235.4	2.53 2.57 2.61 2.65	1.5726 1.5794 1.5861 1.5926	1217.5 1223.5 1229.4 1235.3	2.51 2.55 2.59 2.63	1.5718 1.5786 1.5853 1.5919	1217.4 1223.4 1229.3 1235.1
430 440 450	2.60 2.64 2.68	1.5741 1.5809 1.5875 1.5940	1217.9 1223.9 1229.8 1235.6	2.54 2.58 2.62 2.66	1.5733 1.5801 1.5868 1.5933	1217.7 1223.7 1229.6 1235.4	2.53 2.57 2.61 2.65	1.5726 1.5794 1.5861 1.5926	1217.5 1223.5 1229.4 1235.3	2.51 2.55 2.59 2.63 2.67	1.5718 1.5786 1.5853 1.5919	1217.4 1223.4 1229.3 1235.1
430 440 450 460	2.60 2.64 2.68 2.72 2.75	1.5741 1.5809 1.5875 1.5940 1.6004 1.6066	1217.9 1223.9 1229.8 1235.6 1241.3 1247.0	2.54 2.58 2.62 2.66 2.70 2.74	1.5733 1.5801 1.5868 1.5933 1.5997 1.6059	1217.7 1223.7 1229.6 1235.4 1241.2 1246.9	2.53 2.57 2.61 2.65 2.68 2.72	1.5726 1.5794 1.5861 1.5926 1.5990 1.6052	1217.5 1223.5 1229.4 1235.3 1241.0 1246.7	2.51 2.55 2.59 2.63 2.67 2.71	1.5718 1.5786 1.5853 1.5919 1.5983 1.6045	1217.4 1223.4 1229.3 1235.1 1240.9 1246.6
430 440 450 460 470	2.60 2.64 2.68 2.72 2.75 2.79	1.5741 1.5809 1.5875 1.5940 1.6004 1.6066 1.6128	1217.9 1223.9 1229.8 1235.6 1241.3 1247.0 1252.7	2.54 2.58 2.62 2.66 2.70 2.74 2.78	1.5733 1.5801 1.5868 1.5933 1.5997 1.6059 1.6121	1217.7 1223.7 1229.6 1235.4 1241.2 1246.9 1252.6	2.53 2.57 2.61 2.65 2.68 2.72 2.76	1.5726 1.5794 1.5861 1.5926 1.5990 1.6052 1.6114	1217.5 1223.5 1229.4 1235.3 1241.0 1246.7 1252.4	2.51 2.55 2.59 2.63 2.67 2.71 2.75	1.5718 1.5786 1.5853 1.5919 1.5983 1.6045 1.6107	1217.4 1223.4 1229.3 1235.1 1240.9 1246.6 1252.3
430 440 450 460	2.60 2.64 2.68 2.72 2.75	1.5741 1.5809 1.5875 1.5940 1.6004 1.6066	1217.9 1223.9 1229.8 1235.6 1241.3 1247.0	2.54 2.58 2.62 2.66 2.70 2.74	1.5733 1.5801 1.5868 1.5933 1.5997 1.6059	1217.7 1223.7 1229.6 1235.4 1241.2 1246.9	2.53 2.57 2.61 2.65 2.68 2.72	1.5726 1.5794 1.5861 1.5926 1.5990 1.6052	1217.5 1223.5 1229.4 1235.3 1241.0 1246.7	2.51 2.55 2.59 2.63 2.67 2.71	1.5718 1.5786 1.5853 1.5919 1.5983 1.6045	1217.4 1223.4 1229.3 1235.1 1240.9 1246.6
430 440 450 460 470 480 490	2.60 2.64 2.68 2.72 2.75 2.79 2.83 2.87	1.5741 1.5809 1.5875 1.5940 1.6004 1.6066 1.6128 1.6188 1.6247	1217.9 1223.9 1229.8 1235.6 1241.3 1247.0 1252.7 1258.3 1263.9	2.54 2.58 2.62 2.66 2.70 2.74 2.78 2.85	1.5733 1.5801 1.5868 1.5933 1.5997 1.6059 1.6121 1.6181 1.6240	1217.7 1223.7 1229.6 1235.4 1241.2 1246.9 1252.6 1258.2 1263.8	2.53 2.57 2.61 2.65 2.68 2.72 2.76 2.80 2.83	1.5726 1.5794 1.5861 1.5926 1.5926 1.6052 1.6114 1.6174 1.6233	1217.5 1223.5 1229.4 1235.3 1241.0 1246.7 1252.4 1258.0 1263.6	2.51 2.55 2.59 2.63 2.67 2.71 2.75 2.78 2.82	1.5718 1.5786 1.5853 1.5919 1.5983 1.6045 1.6107 1.6167 1.6226	1217.4 1223.4 1229.3 1235.1 1240.9 1246.6 1252.3 1257.9 1263.5
430 440 450 460 470 480 490	2.60 2.64 2.68 2.72 2.75 2.79 2.83 2.87	1.5741 1.5809 1.5875 1.5940 1.6004 1.6066 1.6128 1.6188 1.6247	1217.9 1223.9 1229.8 1235.6 1241.3 1247.0 1252.7 1258.3 1263.9	2.54 2.58 2.62 2.66 2.70 2.74 2.78 2.81 2.85	1.5733 1.5801 1.5868 1.5933 1.5997 1.6059 1.6121 1.6181 1.6240	1217.7 1223.7 1229.6 1235.4 1241.2 1246.9 1252.6 1258.2 1263.8	2.53 2.57 2.61 2.65 2.68 2.72 2.76 2.80 2.83	1.5726 1.5794 1.5861 1.5926 1.5926 1.6052 1.614 1.6174 1.6233	1217.5 1223.5 1229.4 1235.3 1241.0 1246.7 1252.4 1258.0 1263.6	2.51 2.55 2.59 2.63 2.67 2.71 2.75 2.78 2.82 2.86	1.5718 1.5786 1.5853 1.5919 1.5983 1.6045 1.6167 1.6226	1217.4 1223.4 1229.3 1235.1 1240.9 1246.6 1252.3 1257.9 1263.5
430 440 450 460 470 480 490 500 510	2.60 2.64 2.68 2.72 2.75 2.79 2.83 2.87 2.90 2.94	1.5741 1.5809 1.5875 1.5940 1.6004 1.6066 1.6128 1.6188 1.6247 1.6305 1.6361	1217.9 1223.9 1229.8 1235.6 1241.3 1247.0 1252.7 1258.3 1263.9	2.54 2.58 2.62 2.66 2.70 2.74 2.78 2.81 2.85	1.5733 1.5801 1.5868 1.5933 1.5997 1.6059 1.6121 1.6181 1.6240 1.6298 1.6355	1217.7 1223.7 1229.6 1235.4 1241.2 1246.9 1252.6 1258.2 1263.8	2.53 2.57 2.61 2.65 2.68 2.72 2.76 2.80 2.83 2.87 2.91	1.5726 1.5794 1.5861 1.5926 1.5926 1.6052 1.614 1.6174 1.6233 1.6291 1.6348	1217.5 1223.5 1229.4 1235.3 1241.0 1246.7 1252.4 1258.0 1263.6	2.51 2.55 2.59 2.63 2.67 2.71 2.75 2.78 2.82 2.86 2.89	1.5718 1.5786 1.5853 1.5919 1.5983 1.6045 1.6107 1.6167 1.6226 1.6284 1.6341	1217.4 1223.4 1229.3 1235.1 1240.9 1246.6 1252.3 1257.9 1263.5
430 440 450 460 470 480 490	2.60 2.64 2.68 2.72 2.75 2.79 2.83 2.87	1.5741 1.5809 1.5875 1.5940 1.6004 1.6066 1.6128 1.6188 1.6247	1217.9 1223.9 1229.8 1235.6 1241.3 1247.0 1252.7 1258.3 1263.9	2.54 2.58 2.62 2.66 2.70 2.74 2.78 2.81 2.85	1.5733 1.5801 1.5868 1.5933 1.5997 1.6059 1.6121 1.6181 1.6240	1217.7 1223.7 1229.6 1235.4 1241.2 1246.9 1252.6 1258.2 1263.8	2.53 2.57 2.61 2.65 2.68 2.72 2.76 2.80 2.83	1.5726 1.5794 1.5861 1.5926 1.5926 1.6052 1.614 1.6174 1.6233	1217.5 1223.5 1229.4 1235.3 1241.0 1246.7 1252.4 1258.0 1263.6	2.51 2.55 2.59 2.63 2.67 2.71 2.75 2.78 2.82 2.86	1.5718 1.5786 1.5853 1.5919 1.5983 1.6045 1.6167 1.6226	1217.4 1223.4 1229.3 1235.1 1240.9 1246.6 1252.3 1257.9 1263.5
430 440 450 460 470 480 490 510 520	2.60 2.64 2.68 2.72 2.75 2.79 2.83 2.87 2.90 2.94 2.98	1.5741 1.5809 1.5875 1.5940 1.6004 1.6066 1.6128 1.6188 1.6247 1.6305 1.6361 1.6417	1217.9 1223.9 1229.8 1235.6 1241.3 1247.0 1252.7 1258.3 1263.9 1269.4 1274.9 1280.4	2.54 2.58 2.62 2.66 2.70 2.74 2.78 2.81 2.85 2.89 2.93 2.96	1.5733 1.5801 1.5868 1.5933 1.5997 1.6059 1.6121 1.6181 1.6240 1.6298 1.6355 1.6411	1217.7 1223.7 1229.6 1235.4 1241.2 1246.9 1252.6 1258.2 1263.8 1269.3 1274.8 1280.3	2.53 2.57 2.61 2.65 2.68 2.72 2.76 2.80 2.83 2.87 2.91 2.95	1.5726 1.5794 1.5861 1.5926 1.5990 1.6052 1.6114 1.6174 1.6233 1.6291 1.6348 1.6404	1217.5 1223.5 1229.4 1235.3 1241.0 1246.7 1252.4 1258.0 1263.6 1269.2 1274.7 1280.1	2.51 2.55 2.59 2.63 2.67 2.71 2.75 2.78 2.82 2.86 2.89 2.93	1.5718 1.5786 1.5853 1.5919 1.5983 1.6045 1.6107 1.6167 1.6226 1.6284 1.6341 1.6397	1217.4 1223.4 1229.3 1235.1 1240.9 1246.6 1252.3 1257.9 1263.5 1269.1 1274.6 1280.0
430 440 450 460 470 480 490 500 510 520 530	2.60 2.64 2.68 2.72 2.75 2.83 2.87 2.90 2.94 2.98 3.01 3.05	1.5741 1.5809 1.5875 1.5940 1.6004 1.6066 1.6128 1.6128 1.6247 1.6305 1.6417 1.6473 1.6527	1217.9 1223.9 1229.8 1235.6 1241.3 1247.0 1252.7 1258.3 1263.9 1269.4 1274.9 1280.4 1285.8 1291.2	2.54 2.58 2.62 2.66 2.70 2.74 2.78 2.85 2.93 2.93 3.00 3.03	1.5733 1.5861 1.5868 1.5933 1.5997 1.6059 1.6121 1.6240 1.6298 1.6355 1.6411 1.6466 1.6520	1217.7 1223.7 1229.6 1235.4 1241.2 1246.9 1252.6 1258.2 1263.8 1269.3 1274.8 1280.3 1285.7 1291.1	2.53 2.57 2.61 2.65 2.68 2.72 2.76 2.80 2.83 2.87 2.91 2.95 2.98 3.02	1.5726 1.5794 1.5861 1.5926 1.5926 1.5926 1.6052 1.6114 1.6174 1.6233 1.6233 1.6291 1.6348 1.6404 1.6459 1.6514	1217.5 1223.5 1229.4 1235.3 1241.0 1246.7 1252.4 1258.0 1263.6 1269.2 1274.7 1280.1 1285.6 1291.0	2.51 2.55 2.59 2.63 2.67 2.71 2.75 2.82 2.82 2.86 2.89 2.93 2.97 3.00	1.5718 1.5786 1.5853 1.5919 1.5983 1.6045 1.6167 1.6167 1.6226 1.6226 1.6341 1.6397 1.6453 1.6507	1217.4 1223.4 1229.3 1235.1 1240.9 1246.6 1252.3 1257.9 1263.5 1269.1 1274.6 1280.0 1285.5 1290.9
430 440 450 460 470 480 490 510 520 530 540	2.60 2.64 2.68 2.72 2.75 2.79 2.83 2.87 2.90 2.94 2.98 3.01	1.5741 1.5809 1.5875 1.5940 1.6004 1.6066 1.6128 1.6188 1.6247 1.6305 1.6361 1.6417 1.6473	1217.9 1223.9 1229.8 1235.6 1241.3 1247.0 1252.7 1258.3 1263.9 1269.4 1274.9 1280.4 1285.8	2.54 2.58 2.62 2.66 2.70 2.74 2.78 2.81 2.85 2.89 2.93 2.96 3.00	1.5733 1.5801 1.5868 1.5933 1.5997 1.6059 1.6121 1.6240 1.6240 1.6298 1.6355 1.6411 1.6466	1217.7 1223.7 1229.6 1235.4 1241.2 1246.9 1252.6 1258.2 1263.8 1269.3 1274.8 1280.3 1285.7	2.53 2.57 2.61 2.65 2.68 2.72 2.76 2.80 2.83 2.87 2.91 2.95 2.98	1.5726 1.5794 1.5861 1.5926 1.5990 1.6052 1.6114 1.6233 1.6291 1.6348 1.6469 1.6459	1217.5 1223.5 1229.4 1235.3 1241.0 1246.7 1252.4 1258.0 1263.6 1269.2 1274.7 1280.1 1285.6	2.51 2.55 2.59 2.63 2.67 2.71 2.75 2.78 2.82 2.86 2.89 2.93 2.97	1.5718 1.5786 1.5853 1.5919 1.5983 1.6045 1.6167 1.6226 1.6284 1.6341 1.6397 1.6453	1217.4 1223.4 1229.3 1235.1 1240.9 1246.6 1252.3 1257.9 1263.5 1269.1 1274.6 1280.0 1285.5
430 440 450 450 470 480 490 510 520 530 540 550 600 650	2.60 2.64 2.68 2.72 2.75 2.79 2.87 2.90 2.94 2.98 3.01 3.05 3.26 3.44	1.5741 1.5809 1.5875 1.5940 1.6004 1.6066 1.6128 1.6247 1.6305 1.6361 1.6417 1.6473 1.6527 1.6580 1.6837 1.7078	1217.9 1223.9 1229.8 1235.6 1241.3 1247.0 1252.7 1258.3 1263.9 1269.4 1274.9 1280.4 1285.8 1291.2	2.54 2.58 2.62 2.66 2.70 2.74 2.78 2.81 2.85 2.93 2.96 3.00 3.03	1.5733 1.5861 1.5868 1.5933 1.5997 1.6059 1.6121 1.6181 1.6240 1.6298 1.6355 1.6441 1.6466 1.6520 1.6520 1.6530 1.6574 1.6630	1217.7 1223.7 1229.6 1235.4 1241.2 1241.2 1252.6 1252.6 1263.8 1269.3 1274.8 1280.3 1285.7 1291.1	2.53 2.57 2.65 2.65 2.68 2.72 2.80 2.83 2.87 2.91 2.95 2.98 3.02 3.02 3.23 3.40	1.5726 1.5794 1.5861 1.5926 1.5926 1.5990 1.6052 1.6114 1.6233 1.6291 1.6348 1.6404 1.6459 1.6514 1.6567 1.6524 1.7065	1217.5 1223.5 1229.4 1235.3 1241.0 1246.7 1252.4 1258.0 1263.6 1269.2 1274.7 1280.1 1285.6 1291.0	2.51 2.55 2.59 2.63 2.67 2.71 2.75 2.78 2.82 2.86 2.89 2.93 2.97 3.00 3.04 3.21 3.38	1.5718 1.5786 1.5853 1.5919 1.5983 1.6045 1.6167 1.6226 1.6284 1.6341 1.6397 1.6453 1.6507 1.6561 1.6818	1217.4 1223.4 1229.3 1235.1 1240.9 1246.6 1252.3 1257.9 1263.5 1269.1 1274.6 1280.0 1285.5 1290.9
430 440 450 450 470 480 490 510 520 530 540 550 600 650 700	2.60 2.64 2.68 2.72 2.75 2.79 2.83 2.87 2.90 2.94 2.98 3.01 3.05 3.26 3.44 3.61	1.5741 1.5809 1.5875 1.5940 1.6004 1.6066 1.6128 1.6128 1.6305 1.6361 1.6417 1.6473 1.6527 1.6580 1.6837 1.7078 1.7078	1217.9 1223.9 1229.8 1235.6 1241.3 1247.0 1252.7 1258.3 1263.9 1269.4 1274.9 1280.4 1285.8 1291.2	2.54 2.58 2.62 2.66 2.70 2.74 2.78 2.81 2.85 2.89 2.93 3.00 3.03 3.07 3.25 3.42 3.59	1.5733 1.5861 1.5868 1.5933 1.5997 1.6059 1.6121 1.6240 1.62240 1.6355 1.6451 1.6466 1.6520 1.6574 1.6830 1.7072 1.7300	1217.7 1223.7 1229.6 1235.4 1241.2 1246.9 1252.6 1258.2 1263.8 1269.3 1274.8 1280.3 1285.7 1291.1	2.53 2.57 2.61 2.65 2.68 2.72 2.76 2.80 2.83 2.87 2.91 2.95 2.98 3.02 3.05 3.23 3.40 3.57	1.5726 1.5794 1.5861 1.5926 1.5990 1.6052 1.6114 1.6233 1.6291 1.6348 1.6404 1.6459 1.6514	1217.5 1223.5 1229.4 1235.3 1241.0 1246.7 1252.4 1258.0 1269.2 1274.7 1280.1 1285.6 1291.0	2.51 2.55 2.59 2.67 2.71 2.75 2.78 2.82 2.86 2.89 2.93 2.97 3.00 3.04 3.21 3.38 3.55	1.5718 1.5786 1.5853 1.5919 1.5983 1.6045 1.6167 1.6226 1.6284 1.6341 1.6397 1.6453 1.6507	1217.4 1223.4 1229.3 1235.1 1240.9 1246.6 1252.3 1257.9 1263.5 1269.1 1274.6 1285.5 1290.9
430 440 450 450 470 480 490 510 520 530 540 550 600 650	2.60 2.64 2.68 2.72 2.75 2.79 2.87 2.90 2.94 2.98 3.01 3.05 3.26 3.44	1.5741 1.5809 1.5875 1.5940 1.6004 1.6066 1.6128 1.6247 1.6305 1.6361 1.6417 1.6473 1.6527 1.6580 1.6837 1.7078	1217.9 1223.9 1229.8 1235.6 1241.3 1247.0 1252.7 1258.3 1263.9 1269.4 1274.9 1280.4 1285.8 1291.2	2.54 2.58 2.62 2.66 2.70 2.74 2.78 2.81 2.85 2.93 2.96 3.00 3.03	1.5733 1.5861 1.5868 1.5933 1.5997 1.6059 1.6121 1.6181 1.6240 1.6298 1.6355 1.6441 1.6466 1.6520 1.6520 1.6530 1.6574 1.6630	1217.7 1223.7 1229.6 1235.4 1241.2 1241.2 1252.6 1252.6 1263.8 1269.3 1274.8 1280.3 1285.7 1291.1	2.53 2.57 2.65 2.65 2.68 2.72 2.80 2.83 2.87 2.91 2.95 2.98 3.02 3.02 3.23 3.40	1.5726 1.5794 1.5861 1.5926 1.5926 1.5990 1.6052 1.6114 1.6233 1.6291 1.6348 1.6404 1.6459 1.6514 1.6567 1.6524 1.7065	1217.5 1223.5 1229.4 1235.3 1241.0 1246.7 1252.4 1258.0 1263.6 1269.2 1274.7 1280.1 1285.6 1291.0	2.51 2.55 2.59 2.63 2.67 2.71 2.75 2.78 2.82 2.86 2.89 2.93 2.97 3.00 3.04 3.21 3.38	1.5718 1.5786 1.5853 1.5919 1.5983 1.6045 1.6167 1.6226 1.6284 1.6341 1.6397 1.6453 1.6507 1.6561 1.6818	1217.4 1223.4 1229.3 1235.1 1240.9 1246.6 1252.3 1257.9 1263.5 1269.1 1274.6 1280.0 1285.5 1290.9
430 440 460 470 480 490 510 520 530 540 550 600 650 700 750	2.60 2.64 2.68 2.72 2.75 2.79 2.83 2.87 2.90 2.94 2.98 3.01 3.05 3.26 3.44 3.61	1.5741 1.5809 1.5875 1.5940 1.6004 1.6066 1.6128 1.6128 1.6305 1.6361 1.6417 1.6473 1.6527 1.6580 1.6837 1.7078 1.7078	1217.9 1223.9 1229.8 1235.6 1241.3 1247.0 1252.7 1258.3 1263.9 1269.4 1274.9 1280.4 1285.8 1291.2	2.54 2.58 2.66 2.70 2.74 2.78 2.81 2.85 2.93 2.93 3.00 3.03 3.07 3.25 3.42 3.59 3.75	1.5733 1.5861 1.5868 1.5933 1.5997 1.6059 1.6121 1.6240 1.62240 1.6355 1.6451 1.6466 1.6520 1.6574 1.6830 1.7072 1.7300	1217.7 1223.7 1229.6 1235.4 1241.2 1246.9 1252.6 1258.2 1263.8 1269.3 1274.8 1280.3 1285.7 1291.1	2.53 2.57 2.65 2.68 2.72 2.80 2.83 2.87 2.91 2.95 2.98 3.02 3.03 3.40 3.57 3.73 3.90	1.5726 1.5794 1.5861 1.5926 1.5990 1.6052 1.6114 1.6233 1.6291 1.6348 1.6404 1.6459 1.6514	1217.5 1223.5 1229.4 1235.3 1241.0 1246.7 1252.4 1258.0 1269.2 1274.7 1280.1 1285.6 1291.0	2.51 2.55 2.59 2.67 2.71 2.75 2.78 2.82 2.86 2.89 2.93 2.97 3.00 3.04 3.21 3.38 3.55	1.5718 1.5786 1.5853 1.5919 1.5983 1.6045 1.6167 1.6226 1.6284 1.6341 1.6397 1.6453 1.6507	1217.4 1223.4 1229.3 1235.1 1240.9 1246.6 1252.3 1257.9 1263.5 1269.1 1274.6 1285.5 1290.9
430 440 460 470 480 490 510 520 530 540 550 650 700 750 800 850	2.60 2.64 2.68 2.72 2.75 2.79 2.83 2.87 2.90 2.94 2.98 3.01 3.05 3.26 3.44 3.61 3.77 3.94 4.10	1.5741 1.5809 1.5875 1.5940 1.6004 1.6066 1.6128 1.6361 1.6361 1.6417 1.6473 1.6527 1.6580 1.7078 1.7078 1.7078 1.7733 1.7933	1217.9 1223.9 1229.8 1235.6 1241.3 1247.0 1252.7 1258.3 1263.9 1269.4 1274.9 1280.4 1285.8 1291.2 1290.6 1323.1 1349.2 1375.1 1400.9	2.54 2.58 2.62 2.66 2.70 2.74 2.78 2.81 2.85 2.89 2.93 3.00 3.03 3.07 3.25 3.42 3.59 3.75 3.92 4.08	1.5733 1.5861 1.5868 1.5933 1.5997 1.6059 1.6121 1.6181 1.6240 1.6298 1.6355 1.6411 1.6466 1.6520 1.6520 1.6530 1.7072 1.7300 1.7518	1217.7 1223.7 1229.6 1235.4 1241.2 1246.9 1252.6 1258.2 1263.8 1269.3 1274.8 1280.3 1285.7 1291.1 1296.5 1323.0 1349.1 1375.1 1400.9	2.53 2.57 2.65 2.65 2.68 2.72 2.76 2.80 2.83 2.87 2.95 2.98 3.02 3.57 3.73 3.90 4.06	1.5726 1.5794 1.5861 1.5926 1.5990 1.6052 1.6114 1.6233 1.6291 1.6348 1.6459 1.6514 1.6567 1.6824 1.7065 1.7294 1.77512 1.7720 1.7720 1.7721	1217.5 1223.5 1229.4 1235.3 1241.0 1246.7 1252.4 1258.0 1263.6 1269.2 1274.7 1280.1 1285.6 1291.0 1296.4 1322.9 1349.1 1375.0 1400.8	2.51 2.55 2.59 2.67 2.71 2.78 2.82 2.82 2.86 2.89 2.93 2.97 3.00 3.04 3.21 3.38 3.55 3.71 3.88 4.04	1.5718 1.5786 1.5853 1.5919 1.5983 1.6045 1.6167 1.6226 1.6284 1.6341 1.6397 1.6453 1.6507 1.6561 1.6818 1.7059 1.7288 1.7756	1217.4 1223.4 1229.3 1235.1 1240.9 1246.6 1252.3 1257.9 1263.5 1269.1 1274.6 1280.0 1285.5 1290.9 1296.3 1322.9 1349.0 1400.8
430 440 460 470 480 490 510 520 530 540 550 600 650 700 750	2.60 2.64 2.68 2.72 2.75 2.79 2.87 2.90 2.94 2.98 3.01 3.05 3.26 3.44 3.61 3.77	1.5741 1.5809 1.5875 1.5940 1.6004 1.6066 1.6128 1.6361 1.6361 1.6417 1.6473 1.6527 1.6580 1.7078 1.7078 1.7078 1.7733 1.7933	1217.9 1223.9 1229.8 1235.6 1241.3 1241.3 1252.7 1252.7 1263.9 1269.4 1274.9 1280.4 1285.8 1291.2 1296.6 1323.1 1349.2 1375.1 1400.9	2.54 2.58 2.66 2.70 2.74 2.78 2.81 2.85 2.93 2.93 3.00 3.03 3.07 3.25 3.42 3.59 3.75	1.5733 1.5861 1.5868 1.5933 1.5997 1.6059 1.6121 1.6121 1.6240 1.6298 1.6355 1.6411 1.6466 1.6520 1.6520 1.7072 1.7300 1.7518	1217.7 1223.7 1229.6 1235.4 1241.2 1241.2 1252.6 1252.6 1258.2 1263.8 1269.3 1274.8 1280.3 1285.7 1291.1 1296.5 1323.0 1349.1 1375.1 1400.9	2.53 2.57 2.65 2.68 2.72 2.80 2.83 2.87 2.91 2.95 2.98 3.02 3.03 3.40 3.57 3.73 3.90	1.5726 1.5794 1.5861 1.5926 1.5926 1.5990 1.6052 1.6114 1.6233 1.6291 1.6348 1.6404 1.6459 1.6514 1.6567 1.0824 1.7065 1.7294 1.7512	1217.5 1223.5 1229.4 1235.3 1241.0 1246.7 1252.4 1252.6 1263.6 1269.2 1274.7 1280.1 1285.6 1291.0 1296.4 1322.9 1349.1 1375.0 1400.8	2.51 2.55 2.59 2.63 2.67 2.71 2.75 2.78 2.82 2.86 2.89 2.93 2.97 3.00 3.04 3.21 3.38 3.55 3.71 3.88	1.5718 1.5786 1.5853 1.5919 1.5983 1.6045 1.6167 1.6226 1.6284 1.6341 1.6397 1.6453 1.6507 1.6818 1.7059 1.7288 1.7506	1217.4 1223.4 1229.3 1235.1 1240.9 1246.6 1252.3 1257.9 1263.5 1269.1 1274.6 1280.0 1285.5 1290.9 1296.3 1322.9 1349.0 1400.8 1426.5

Pres- sure		193 [378.9]			194 [379-3]			195 [379-7]			196 [380.2]	
Temp F.	•		i	•	8	i	•	8	i	•		i
Sat.	2.37	1.5487	1198.1	2.36	1.5482	1198.1	2.35	1.5478	1198.2	2.34	1.5473	1198.2
390	2.42	1.5569	1205.0	2.40	1.5561	1204.8	2.39	1.5554	1204.6	2.38	1.5546	1 204.4
400	2.46	1.5641	1211.1	2.44	1.5633	1210.9	2.43	1.5626	1210.7	2.42	1.5618	1210.5
410	2.50	1.5711	1217.2	2.48	1.5703	1217.0	2.47	1.5696	1216.8	2.46	1.5689	1216.6
420	2.54	1.5779	1223.2	2.52	1.5772	1223.0	2.51	1.5765	1222.8	2.50	1.5758	1222.6
430 440	2.58 2.62	1.5846	1229.1 1234.9	2.56 2.60	1.5839	1234.8	2.55 2.59	1.5832	1228.7 1234.6	2.54 2.57	1.5825	1234.5
450	2.66	1.5976	1240.7	2.64	1.5968	1240.6	2.63	1.5961	1240.4	2.61	1.5954	1240.3
460	2.69	1.6038	1246.5	2.68	1.6031	1246.3	2.66	1.6024	1246.2	2.65	1.6017	1246.0
470	2.73	1.6100	1252.2	2.72	1.6093	1252.0	2.70	1.6086	1251.9	2.69	1.6079	1251.7
480	2.77	1.6160	1257.8	2.75	1.6153	1257.7	2.74	1.6146	1257.5	2.72	1.6140	
490	2.80	1.6219	1263.4	2.79	1.6213	1263.3	2.77	1.6206	1263.1	2.76	1.5199	1263.0
500	2.84	1.6277	1268.9	2.83	1.6271	1268.8	2.81	1.6264	1268.7	2.80	1.6257	1268.6
510	2.88	1.6335	1274.4	2.86	1.6328	1274.3	2.85	1.6321	1274.2	2.83	1.6315	1274.1
520	2.91	1.6391	1279.9	2.90	1.6384	1279.8	2.88	1.6377	1279.7	2.87	1.6371	
530	2.95 2.99	1.6446	1285.4	2.93 2.97	1.6439	1285.3	2.92 2.95	1.6433	1205.2	2.90 2.94	1.6426	1285.1
540				-								
550 560	3.02	1.6554	1296.2	3.01	1.6548	1296.1	2.99	1.6541	1296.0	2.97	1.6535	1295.9
	3.05 3.09	1.6607	1301.6 1306.9	3.04 3.08	1.6601	1301.5	3.02 3.06	1.6594	1301.4	3.00 3.04	1.6588	1301.3
570 580	3.12	1.6710	1312.2	3.11	1.6704	1312.1	3.09	1.6698	1312.0	3.07	1.6691	1311.9
590	3.16	1.6761	1317.5	3.15	1.6755	1317.4	3.13	1.6749	1317.3	3.11	1.6742	1317.2
600	3.19	1.6811	1322.8	3.18	1.6805	1322.7	3.16	1.6799	1322.6	3.14	1.6792	1322.5
650	3.36	1.7053	1349.0	3-35	1.7047	1348.9	3.33	1.7041	1348.8	3.31	1.7034	1348.8
700	3.53	1.7282	7274 A	2 " "	1.7275	1374.9	3.49	1.7269	1374.8	3.47	1.7253	1374.7
			1374.9	3.51	1							
750	3.69	1.7500	1400.7	3.67	1.7494	1400.7	3.65	1.7488	1400.6	3.64	1.7482	1400.6
					1							
		197			1.7494			1.7488			200	
750	3.69	1.7500 197 [380.6]	1400.7	3.67	1.7494 198 [381.0]	1400.7	3.65	1.7488 199 [381.4]	1400.6	3.64	200 [381.9]	1400.6
75°	2.32 2.36	1.7500 197 [380.6] 1.5469 1.5539	1198.3	2.31 2.35	198 [381.0] 1.5464 1.5531	1198.4	2.30	1.7488 199 [381.4] 1.5460 1.5524	1198.4	2.29	200 [381.9] 1.5456 1.5516	1198.5
75° Sat.	2.32	1.7500 197 [380.6]	1198.3	2.31	1.7494 198 [381.0]	1198.4	2.30	1.7488 199 [381.4]	1198.4	2.29	200 [381.9] 1.5456	1198.5 1203.6 1209.8
750 Sat. 390 400 410 420	2.32 2.36 2.40 2.44 2.48	1.7500 197 [380.6] 1.5469 1.5539 1.5611 1.5681 1.5750	1198.3 1204.2 1210.4 1216.5 1222.5	2.31 2.35 2.39 2.43 2.47	1.7494 198 [381.0] 1.5464 1.5531 1.5603 1.5674 1.5743	1198.4 1204.0 1210.2 1216.3 1222.3	2.30 2.34 2.38 2.42 2.46	1.7488 199 [381.4] 1.5460 1.5524 1.5596 1.5667 1.5736	1198.4 1203.8 1210.0 1216.1 1222.1	2.29 2.32 2.36 2.40 2.44	200 [381.9] 1.5456 1.5516 1.5589 1.5660 1.5729	1198.5 1203.6 1209.8 1215.9 1221.9
750 Sat. 390 400 410 420 430	2.32 2.36 2.40 2.44 2.48 2.52	1.7500 197 [380.6] 1.5469 1.5539 1.5611 1.5681 1.5750 1.5817	1198.3 1204.2 1210.4 1216.5 1222.5 1228.4	2.31 2.35 2.39 2.43 2.47 2.51	1.7494 198 [381.0] 1.5464 1.5531 1.5603 1.5674 1.5743 1.5810	1198.4 1204.0 1210.2 1216.3 1222.3 1228.3	2.30 2.34 2.38 2.42 2.46 2.49	1.7488 199 [381.4] 1.5460 1.5524 1.5596 1.5667 1.5736 1.5803	1198.4 1203.8 1210.0 1216.1 1222.1 1228.1	2.29 2.32 2.36 2.40 2.44 2.48	1.7482 200 [381.9] 1.5456 1.5516 1.5589 1.5660 1.5729 1.5796	1198.5 1203.6 1209.8 1215.9 1221.9
750 Sat. 390 410 420 430 440	2.32 2.36 2.40 2.44 2.48 2.52 2.56	1.7500 197 [380.6] 1.5469 1.5539 1.5611 1.5681 1.5750 1.5817 1.5883	1198.3 1204.2 1210.4 1216.5 1222.5 1228.4 1234.3	2.31 2.35 2.39 2.43 2.47 2.51 2.55	1.7494 198 [381.0] 1.5464 1.5531 1.5603 1.5674 1.5743 1.5810 1.5876	1198.4 1204.0 1210.2 1216.3 1222.3 1228.3 1234.2	2.30 2.34 2.38 2.42 2.46 2.49 2.53	1.7488 199 [381.4] 1.5460 1.5524 1.5596 1.5667 1.5736 1.5803 1.5869	1198.4 1203.8 1210.0 1216.1 1222.1 1228.1 1234.0	2.29 2.32 2.36 2.40 2.44 2.48 2.52	200 [381.9] 1.5456 1.5516 1.5589 1.5660 1.5729 1.5796 1.5862	1198.5 1203.6 1209.8 1215.9 1221.9 1227.9 1233.8
750 Sat. 390 400 410 420 430 440 450	2.32 2.36 2.40 2.44 2.48 2.52 2.56	1.7500 197 [380.6] 1.5469 1.5539 1.5611 1.5681 1.5750 1.5817 1.5883 1.5948	1198.3 1204.2 1210.4 1216.5 1222.5 1228.4 1234.3	2.31 2.35 2.39 2.43 2.47 2.51 2.55 2.58	1.7494 198 [381.0] 1.5464 1.5531 1.5603 1.5674 1.5743 1.5810 1.5876 1.5941	1198.4 1204.0 1210.2 1216.3 1222.3 1228.3 1234.2	2.30 2.34 2.38 2.42 2.46 2.49 2.53	1.7488 199 [381.4] 1.5460 1.5524 1.5596 1.5667 1.5736 1.5803 1.5869 1.5934	1198.4 1203.8 1210.0 1216.1 1222.1 1228.1 1234.0	2.29 2.32 2.36 2.40 2.44 2.48 2.52 2.56	200 [381.9] 1.5456 1.5516 1.5589 1.5660 1.5729 1.5796 1.5862	1198.5 1203.6 1209.8 1215.9 1221.9 1227.9 1233.8
750 Sat. 390 400 410 420 430 440 450 460	2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.60 2.63	1.7500 197 [380.6] 1.5469 1.5539 1.5611 1.5750 1.5817 1.5883 1.5948 1.6011	1198.3 1204.2 1210.4 1216.5 1222.5 1228.4 1234.3 1240.1 1245.9	2.31 2.35 2.39 2.43 2.47 2.51 2.55 2.58 2.62	1.7494 198 [381.0] 1.5464 1.5531 1.5603 1.5674 1.5743 1.5810 1.5876 1.5876	1198.4 1204.0 1210.2 1216.3 1222.3 1228.3 1234.2 1240.0 1245.7	2.30 2.34 2.38 2.42 2.46 2.49 2.53 2.57 2.61	1.7488 199 [381.4] 1.5460 1.5524 1.5596 1.5736 1.5803 1.5869 1.5934 1.5997	1198.4 1203.8 1210.0 1216.1 1222.1 1228.1 1234.0 1239.8 1245.6	2.29 2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.59	200 [381.9] 1.5456 1.5516 1.5589 1.5766 1.5796 1.5796 1.5862	1198.5 1203.6 1205.9 1221.9 1221.9 1233.8 1239.7 1245.5
Sat. 390 400 410 420 430 440 450 460 470	2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.60 2.63 2.67	1.7500 197 [380.6] 1.5469 1.5539 1.5611 1.5681 1.5780 1.5883 1.5948 1.6011 1.6072	1198.3 1204.2 1210.4 1216.5 1222.5 1228.4 1234.3 1240.1 1245.9 1251.6	2.31 2.35 2.39 2.43 2.47 2.51 2.55 2.62 2.66	1.7494 198 [381.0] 1.5464 1.5531 1.5603 1.5743 1.5876 1.5876 1.5941 1.6004 1.6066	1198.4 1204.0 1210.2 1216.3 1222.3 1234.2 1240.0 1245.7 1251.5	2.30 2.34 2.38 2.42 2.46 2.49 2.53 2.57 2.61 2.64	1.7488 199 [381.4] 1.5460 1.5524 1.5596 1.5736 1.5803 1.5869 1.5934 1.5997 1.6059	1198.4 1203.8 1210.0 1216.1 1222.1 1234.0 1239.8 1245.6 1251.3	2.29 2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.59 2.63	1.7482 200 [381.9] 1.5456 1.5516 1.5589 1.5766 1.5796 1.5862 1.5927 1.5990 1.6052	1198.5 1203.6 1209.8 1215.9 1221.9 1233.8 1239.7 1245.5 1251.2
750 Sat. 390 400 410 420 430 440 450 460	2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.60 2.63	1.7500 197 [380.6] 1.5469 1.5539 1.5611 1.5750 1.5817 1.5883 1.5948 1.6011	1198.3 1204.2 1210.4 1216.5 1222.5 1228.4 1234.3 1240.1 1245.9	2.31 2.35 2.39 2.43 2.47 2.51 2.55 2.58 2.62	1.7494 198 [381.0] 1.5464 1.5531 1.5603 1.5674 1.5743 1.5810 1.5876 1.5876	1198.4 1204.0 1210.2 1216.3 1222.3 1228.3 1234.2 1240.0 1245.7	2.30 2.34 2.38 2.42 2.46 2.49 2.53 2.57 2.61	1.7488 199 [381.4] 1.5460 1.5524 1.5596 1.5736 1.5803 1.5869 1.5934 1.5997	1198.4 1203.8 1210.0 1216.1 1222.1 1228.1 1234.0 1245.6 1251.3 1257.0	2.29 2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.59	200 [381.9] 1.5456 1.5516 1.5589 1.5766 1.5796 1.5796 1.5862	1198.5 1203.6 1209.8 1215.9 1221.9 1227.9 1233.8 1239.7 1245.5 1256.9
\$\frac{\sqrt{390}}{400}\$ 410 420 430 440 450 460 470 480	2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.60 2.63 2.67 2.71	1.7500 197 [380.6] 1.5469 1.5539 1.5611 1.5681 1.5780 1.5817 1.5883 1.5948 1.6011 1.6072 1.6133	1198.3 1204.2 1210.4 1216.5 1222.5 1228.4 1234.3 1240.1 1245.9 1251.6 1257.3	2.31 2.35 2.39 2.43 2.47 2.51 2.55 2.58 2.62 2.66 2.69	1.7494 198 [381.0] 1.5464 1.5531 1.5603 1.5674 1.5743 1.5810 1.5876 1.5941 1.6064 1.6066 1.6066	1198.4 1204.0 1210.2 1216.3 1222.3 1228.3 1234.2 1240.0 1245.7 1251.5 1257.1	2.30 2.34 2.38 2.42 2.46 2.49 2.53 2.57 2.61 2.64 2.68	1.7488 199 [381.4] 1.5460 1.5524 1.5596 1.5667 1.5736 1.5803 1.5803 1.5934 1.5997 1.6059 1.6119	1198.4 1203.8 1210.0 1216.1 1222.1 1228.1 1234.0 1245.6 1251.3 1257.0	2.29 2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.59 2.63 2.67	1.7482 200 [381.9] 1.5456 1.5516 1.5589 1.5796 1.5796 1.5862 1.5927 1.5995 1.6013	1198.5 1203.6 1209.8 1215.9 1221.9 1227.9 1233.8 1239.7 1245.5 1256.9
750 Sat. 390 410 420 430 440 450 460 470 480 490	2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.60 2.63 2.67 2.71 2.74 2.78 2.82	1.7500 197 [380.6] 1.5469 1.5539 1.5611 1.5681 1.5750 1.5817 1.5883 1.5948 1.6011 1.6072 1.6133 1.6192 1.6251 1.6251 1.6308	1198.3 1204.2 1210.4 1216.5 1222.5 1228.4 1234.3 1240.1 1245.9 1251.6 1257.3 1262.9	2.31 2.35 2.39 2.43 2.47 2.51 2.55 2.66 2.69 2.73	1.7494 198 [381.0] 1.5464 1.5531 1.5603 1.5674 1.5743 1.5876 1.5941 1.6066 1.6126 1.6186 1.6186	1198.4 1204.0 1210.2 1216.3 1222.3 1228.3 1234.2 1240.0 1245.7 1251.5 1257.1 1262.7	2.30 2.34 2.38 2.42 2.46 2.53 2.57 2.61 2.64 2.68 2.72 2.75 2.79	1.7488 199 [381.4] 1.5460 1.5524 1.5596 1.5536 1.5803 1.5934 1.5934 1.5939 1.6059 1.6179 1.6237 1.6237 1.6237	1198.4 1203.8 1210.0 1216.1 1222.1 1234.0 1239.8 1245.6 1251.3 1257.0 1262.6	2.29 2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.67 2.70	1.7482 200 [381.9] 1.5456 1.5516 1.5589 1.5660 1.5796 1.5862 1.5927 1.5990 1.6052 1.6113 1.6172 1.6231 1.6288	1198.5 1203.6 1209.8 1215.9 1221.9 1233.8 1239.7 1245.5 1256.9 1262.5
750 Sat. 390 400 410 420 430 440 450 470 480 490 500 510 520	2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.60 2.63 2.67 2.71 2.74 2.78 2.82 2.85	1.7500 197 [380.6] 1.5469 1.5539 1.5611 1.5681 1.5750 1.5813 1.5948 1.6071 1.6072 1.6133 1.6192 1.6251 1.6308 1.6308	1198.3 1204.2 1210.4 1216.5 1222.5 1228.4 1234.3 1240.1 1245.9 1257.3 1262.9	2.31 2.35 2.39 2.43 2.47 2.51 2.55 2.58 2.62 2.66 2.73 2.77 2.80 2.84	1.7494 198 [381.0] 1.5464 1.5531 1.5603 1.5674 1.5743 1.5810 1.5876 1.5941 1.6064 1.6064 1.6126 1.6126 1.6126 1.6126 1.6126 1.6126	1198.4 1204.0 1210.2 1216.3 1222.3 1228.3 1234.2 1240.0 1245.7 1251.5 1257.1 1262.7	2.30 2.34 2.38 2.42 2.46 2.49 2.53 2.57 2.61 2.64 2.68 2.72 2.75 2.79 2.82	1.7488 199 [381.4] 1.5460 1.5524 1.5596 1.5736 1.5803 1.5934 1.5997 1.6059 1.6119 1.6179 1.6237 1.6237 1.6235	1198.4 1203.8 1210.0 1216.1 1222.1 1228.1 1234.0 1245.6 1251.3 1257.0 1262.6	2.29 2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.59 2.63 2.67 2.70 2.74 2.81	1.7482 200 [381.9] 1.5456 1.5516 1.5589 1.5660 1.5796 1.5862 1.5927 1.5995 1.6113 1.6172 1.6231 1.6238 1.6238 1.6238	1198.5 1203.6 1209.8 1215.9 1227.9 1227.9 1233.8 1239.7 1245.5 1256.9 1262.5
750 Sat. 390 400 410 420 430 440 450 470 480 490 500 510 520 530	2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.63 2.67 2.71 2.74 2.78 2.82 2.85 2.89	1.7500 197 [380.6] 1.5469 1.5539 1.5611 1.5681 1.5750 1.5883 1.5948 1.6011 1.6072 1.6133 1.6192 1.6251 1.6308 1.6308 1.6308 1.6308	1198.3 1204.2 1210.4 1216.5 1222.5 1228.4 1234.3 1240.1 1245.9 1251.6 1257.3 1262.9 1268.5 1274.0 1279.5 1284.9	2.31 2.35 2.39 2.43 2.47 2.55 2.58 2.62 2.66 2.73 2.77 2.80 2.84 2.87	1.7494 198 [381.0] 1.5464 1.5531 1.5603 1.5674 1.5743 1.5876 1.5941 1.6004 1.6004 1.6126	1198.4 1204.0 1210.2 1216.3 1222.3 1228.3 1234.2 1240.0 1245.7 1251.5 1252.7 1268.3 1273.9 1273.9 1279.4 1284.8	2.30 2.34 2.38 2.42 2.46 2.49 2.53 2.57 2.61 2.68 2.72 2.75 2.79 2.82 2.86	1.7488 199 [381.4] 1.5460 1.5524 1.5596 1.5667 1.5736 1.5869 1.5997 1.6059 1.6179 1.6237 1.6237 1.6237 1.6237 1.6237 1.6237 1.6237 1.6237 1.6237	1198.4 1203.8 1210.0 1216.1 1222.1 1228.1 1234.0 1245.6 1251.3 1257.0 1262.6 1268.2 1273.7 1279.2 1284.7	2.29 2.32 2.36 2.40 2.44 2.48 2.52 2.63 2.67 2.70 2.74 2.77 2.81 2.84	1.7482 200 [3819] 1.5456 1.5516 1.5589 1.5796 1.5796 1.5990 1.6052 1.6113 1.6172 1.6231 1.6288 1.6345 1.6345 1.6400	1198.5 1203.6 1203.6 1215.9 1221.9 1221.9 1233.8 1239.7 1245.5 1251.2 1262.5 1268.1 1273.6 1273.6 1279.1
750 Sat. 390 400 410 430 440 450 460 470 480 490 510 520 530 540	2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.60 2.63 2.67 2.71 2.74 2.85 2.89 2.92	1.7500 197 [380.6] 1.5469 1.5539 1.5611 1.5681 1.5780 1.5817 1.5883 1.5948 1.6011 1.6072 1.6133 1.6192 1.6251 1.6308 1.6364 1.6420 1.6474	1198.3 1204.2 1210.4 1216.5 1222.5 1228.4 1234.3 1240.1 1245.9 1257.3 1262.9 1268.5 1274.0 1279.5 1284.9 1290.4	2.31 2.35 2.39 2.43 2.47 2.51 2.55 2.58 2.62 2.66 2.73 2.77 2.80 2.84	1.7494 198 [381.0] 1.5464 1.5531 1.5603 1.5674 1.5743 1.5876 1.5941 1.6004 1.6066 1.6126 1.6186 1.6244 1.6301 1.6358 1.6443 1.6468	1198.4 1204.0 1210.2 1216.3 1222.3 1228.3 1234.2 1240.0 1245.7 1251.5 1257.1 1262.7	2.30 2.34 2.38 2.42 2.46 2.49 2.53 2.57 2.61 2.64 2.68 2.72 2.75 2.79 2.82	1.7488 199 [381.4] 1.5460 1.5524 1.5596 1.5667 1.5803 1.5893 1.5934 1.5937 1.6059 1.6179 1.6237 1.6237 1.62407 1.6462	1198.4 1203.8 1210.0 1216.1 1222.1 1228.1 1234.0 1245.6 1251.3 1257.0 1262.6 1268.2 1273.7 1279.2 1284.7	2.29 2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.59 2.63 2.67 2.70 2.74 2.77 2.81 2.84 2.88	1.7482 200 [381.9] 1.5456 1.5516 1.5589 1.5769 1.5796 1.5862 1.5927 1.6052 1.6113 1.6172 1.6231 1.6288 1.6345 1.6455	1198.5 1203.6 1209.8 1215.9 1221.9 1233.8 1239.7 1245.5 1251.2 1256.9 1262.5 1268.1 1273.6 1279.1 1284.6 1290.1
\$\frac{\$\sqrt{390}}{400}\$ 410 420 430 440 450 460 470 480 490 510 520 530 540 \$\frac{\$50}{\$50}\$	2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.60 2.63 2.67 2.71 2.74 2.82 2.85 2.89 2.92	1.7500 197 [380.6] 1.5469 1.5539 1.5611 1.5681 1.5750 1.5817 1.5883 1.5948 1.6011 1.6072 1.6133 1.6192 1.6251 1.6308 1.6308 1.6420 1.6474 1.6528	1198.3 1204.2 1210.4 1216.5 1222.5 1222.5 1224.0.1 1245.9 1257.3 1262.9 1268.5 1274.0 1279.5 1284.9 1290.4	2.31 2.35 2.39 2.43 2.47 2.51 2.55 2.58 2.66 2.69 2.73 2.77 2.80 2.84 2.87 2.91	1.7494 198 [381.0] 1.5464 1.5531 1.5603 1.5674 1.5743 1.5810 1.5876 1.5941 1.6066 1.6126 1.6186 1.6244 1.6301 1.6358 1.6468 1.6468	1198.4 1204.0 1210.2 1216.3 1222.3 1228.3 1234.2 1240.0 1245.7 1257.1 1262.7 1268.3 1273.9 1279.4 1284.8 1290.3	2.30 2.34 2.38 2.42 2.46 2.49 2.53 2.57 2.61 2.64 2.68 2.72 2.75 2.79 2.82 2.86 2.89	1.7488 199 [381.4] 1.5460 1.5524 1.5596 1.5667 1.5736 1.5803 1.5869 1.5934 1.5997 1.6059 1.6119 1.6179 1.6237 1.6295 1.6351 1.6407 1.6462 1.6515	1198.4 1203.8 1210.0 1216.1 1222.1 1223.1 1234.0 1239.8 1245.6 1257.0 1262.6 1273.7 1279.2 1284.7 1290.2	2.29 2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.59 2.63 2.67 2.70 2.74 2.77 2.81 2.84 2.88	1.7482 200 [381.9] 1.5456 1.5516 1.5556 1.5796 1.5796 1.5862 1.5927 1.5992 1.6052 1.6113 1.6172 1.6231 1.6288 1.6345 1.6455 1.6509	1198.5 1203.6 1209.8 1215.9 1221.9 1223.8 1239.7 1245.5 1256.9 1262.5 1268.1 1273.6 1279.1 1284.6 1290.1
5at. 390 410 410 420 430 440 450 450 480 490 510 520 530 540 560	2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.60 2.63 2.67 2.71 2.74 2.78 2.82 2.85 2.89 2.92	1.7500 197 [380.6] 1.5469 1.5539 1.5611 1.5681 1.5750 1.5817 1.5883 1.692 1.6133 1.6192 1.6251 1.6308 1.6364 1.6420 1.6474 1.6528 1.6528	1198.3 1204.2 1210.4 1216.5 1222.5 1228.4 1234.3 1240.1 1245.9 1251.6 1279.5 1274.0 1279.5 1284.9 1290.4 1295.8 1301.2	2.31 2.35 2.39 2.43 2.47 2.51 2.55 2.58 2.62 2.66 2.73 2.77 2.80 2.84 2.87 2.91	1.7494 198 [381.0] 1.5464 1.5531 1.5603 1.5674 1.5743 1.5810 1.5870 1.5941 1.6064 1.6126	1198.4 1204.0 1210.2 1216.3 1222.3 1228.3 1234.2 1240.0 1245.7 1251.5 1257.1 1262.7 1268.3 1273.9 1279.4 1284.8 1290.3 1295.7 1301.1	2.30 2.34 2.38 2.42 2.49 2.53 2.57 2.61 2.64 2.68 2.72 2.75 2.86 2.89 2.93 2.96	1.7488 199 [381.4] 1.5460 1.5524 1.5596 1.5780 1.5803 1.5803 1.5934 1.5997 1.6059 1.6119 1.6119 1.6237 1.6237 1.62407 1.62407 1.6462 1.6515 1.6568	1198.4 1203.8 1210.0 1216.1 1222.1 1228.1 1234.0 1239.8 1245.6 1251.3 1257.0 1262.6 1273.7 1279.2 1284.7 1290.2	2.29 2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.59 2.63 2.70 2.74 2.77 2.81 2.84 2.88 2.91 2.95	1.7482 200 [381.9] 1.5456 1.5516 1.5556 1.5796 1.5862 1.5927 1.5990 1.6052 1.6113 1.6172 1.6231 1.6288 1.6345 1.6400 1.6455 1.6509 1.6562	1198.5 1203.6 1209.8 1215.9 1221.9 1227.9 1233.8 1239.7 1245.5 1251.2 1256.9 1262.5 1268.1 1279.1 1284.6 1290.1
58at. 390 400 410 420 430 440 450 460 470 480 490 510 520 530 540 550 560 570	2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.63 2.67 2.71 2.74 2.82 2.85 2.89 2.92 2.96 2.99 3.03	1.7500 197 [380.6] 1.5469 1.5539 1.5611 1.5750 1.5817 1.5883 1.6011 1.6072 1.6133 1.6192 1.6251 1.6364 1.6420 1.6420 1.6420 1.6474 1.6528 1.6581 1.6538	1198.3 1204.2 1210.4 1216.5 1222.5 1228.4 1234.3 1240.1 1245.9 1251.6 1257.3 1262.9 1268.5 1274.0 1279.5 1284.9 1290.4	2.31 2.35 2.39 2.43 2.55 2.55 2.58 2.62 2.66 2.69 2.73 2.77 2.80 2.84 2.87 2.91	1.7494 198 [381.0] 1.5464 1.5531 1.5603 1.5674 1.5743 1.5810 1.5876 1.6004 1.6066 1.6126 1.6126 1.6126 1.6244 1.6301 1.6301 1.6301 1.6413 1.6468	1198.4 1204.0 1210.2 1216.3 1222.3 1228.3 1234.2 1240.0 1245.7 1251.5 1257.1 1262.7 1268.3 1273.9 1279.4 1284.8 1290.3	2.30 2.34 2.38 2.42 2.46 2.49 2.53 2.57 2.61 2.64 2.68 2.72 2.75 2.79 2.86 2.89 2.93 2.96 2.99	1.7488 199 [381.4] 1.5460 1.5524 1.5596 1.5673 1.5803 1.5869 1.5934 1.5997 1.6059 1.6179 1.6237 1.6295 1.6351 1.6407 1.6462	1198.4 1203.8 1210.0 1216.1 1222.1 1228.1 1234.0 1245.6 1251.3 1257.0 1262.6 1268.2 1273.7 1279.2 1284.7 1290.2	2.29 2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.59 2.63 2.67 2.77 2.81 2.88 2.91 2.95 2.98	1.7482 200 [381.9] 1.5456 1.5516 1.5589 1.5796 1.5796 1.5862 1.5927 1.5990 1.6052 1.6172 1.6231 1.6288 1.6345 1.6400 1.6455 1.6509 1.6562 1.6562 1.6562 1.6562	1198.5 1203.6 1205.8 1215.9 1221.9 1227.9 1233.8 1239.7 1245.5 1251.2 1256.9 1262.5 1268.1 1279.1 1284.6 1290.1
5at. 390 410 410 420 430 440 450 450 480 490 510 520 530 540 560	2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.60 2.63 2.67 2.71 2.74 2.78 2.82 2.85 2.89 2.92	1.7500 197 [380.6] 1.5469 1.5539 1.5611 1.5681 1.5750 1.5817 1.5883 1.692 1.6133 1.6192 1.6251 1.6308 1.6364 1.6420 1.6474 1.6528 1.6528	1198.3 1204.2 1210.4 1216.5 1222.5 1228.4 1234.3 1240.1 1245.9 1251.6 1279.5 1274.0 1279.5 1284.9 1290.4 1295.8 1301.2	2.31 2.35 2.39 2.43 2.47 2.51 2.55 2.58 2.62 2.66 2.73 2.77 2.80 2.84 2.87 2.91	1.7494 198 [381.0] 1.5464 1.5531 1.5603 1.5674 1.5743 1.5810 1.5870 1.5941 1.6064 1.6126	1198.4 1204.0 1210.2 1216.3 1222.3 1228.3 1234.2 1240.0 1245.7 1251.5 1257.1 1262.7 1268.3 1273.9 1279.4 1284.8 1290.3 1295.7 1301.1	2.30 2.34 2.38 2.42 2.49 2.53 2.57 2.61 2.64 2.68 2.72 2.75 2.86 2.89 2.93 2.96	1.7488 199 [381.4] 1.5460 1.5524 1.5596 1.5780 1.5803 1.5803 1.5934 1.5997 1.6059 1.6119 1.6119 1.6237 1.6237 1.62407 1.62407 1.6462 1.6515 1.6568	1198.4 1203.8 1210.0 1216.1 1222.1 1228.1 1234.0 1239.8 1245.6 1251.3 1257.0 1262.6 1273.7 1279.2 1284.7 1290.2	2.29 2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.59 2.63 2.70 2.74 2.77 2.81 2.84 2.88 2.91 2.95	1.7482 200 [381.9] 1.5456 1.5516 1.5556 1.5796 1.5862 1.5927 1.5990 1.6052 1.6113 1.6172 1.6231 1.6288 1.6345 1.6400 1.6455 1.6509 1.6562	1198.5 1203.6 1209.8 1215.9 1221.9 1233.8 1239.7 1245.5 1256.9 1262.5 1268.1 1273.6 1279.1 1284.6 1290.1 1295.5 1306.9 1306.9 1311.6
5at. 390 410 410 420 430 440 450 460 470 480 490 510 520 530 540 560 570 580 590	2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.63 2.67 2.71 2.74 2.85 2.85 2.89 2.92 2.96 2.99 3.03 3.09	1.7500 197 [380.6] 1.5469 1.5539 1.5611 1.5681 1.5750 1.5817 1.5883 1.5948 1.6011 1.6072 1.6133 1.6192 1.6251 1.6308 1.6308 1.6474 1.6528 1.6528 1.6528 1.6581 1.6633 1.6684 1.6735	1198.3 1204.2 1210.4 1216.5 1222.5 1228.4 1234.3 1240.1 1245.9 1257.3 1262.9 1279.5 1284.9 1290.4 1295.8 1301.2 1306.5 1311.8 1317.1	2.31 2.35 2.39 2.43 2.47 2.51 2.55 2.58 2.66 2.69 2.73 2.77 2.80 2.84 2.87 2.91 2.94 2.98 3.01 3.04 3.08	1.7494 198 [381.0] 1.5464 1.5531 1.5603 1.5674 1.5743 1.5810 1.5876 1.5941 1.6066 1.6126 1.6186 1.6244 1.6301 1.6358 1.6468 1.6522 1.6574 1.6626 1.6626 1.6729	1198.4 1204.0 1210.2 1216.3 1222.3 1228.3 1234.2 1240.0 1245.7 1251.5 1257.1 1262.7 1268.3 1273.9 1279.4 1284.8 1290.3 1295.7 1301.1 1306.4 1311.7	2.30 2.34 2.38 2.42 2.46 2.53 2.57 2.61 2.64 2.68 2.72 2.75 2.86 2.89 2.93 2.96 2.99 3.03 3.06	1.7488 199 [381.4] 1.5460 1.5524 1.5596 1.5667 1.5736 1.5863 1.5863 1.5937 1.6059 1.6179 1.6237 1.6237 1.6407 1.6462 1.6515 1.6568 1.6568 1.6568 1.65620 1.6672 1.6723	1198.4 1203.8 1210.0 1216.1 1222.1 1228.1 1234.0 1239.8 1245.6 1257.0 1262.6 1273.7 1279.2 1284.7 1290.2 1295.6 1301.0 1301.0 1311.7	2.29 2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.59 2.63 2.67 2.70 2.74 2.81 2.88 2.91 2.95 2.98 3.01 3.05	1.7482 200 [381.9] 1.5456 1.5516 1.5589 1.5660 1.5729 1.5796 1.5862 1.6952 1.6113 1.6172 1.6231 1.6238 1.6345 1.6400 1.6455 1.6509 1.6562 1.66614 1.666161	1198.5 1203.6 1209.8 1215.9 1221.9 1227.9 1245.5 1245.5 1256.9 1262.5 1268.1 1273.6 1279.1 1284.6 1290.1 1295.5 1300.9 1306.2 1311.6 1316.9
58at. 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600	2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.63 2.67 2.71 2.74 2.82 2.85 2.89 2.92 2.96 3.03 3.06 3.09 3.13	1.7500 197 [380.6] 1.5469 1.5539 1.5611 1.5681 1.5780 1.5883 1.5948 1.6011 1.6072 1.6133 1.6192 1.6251 1.6308 1.6364 1.6420 1.6420 1.6420 1.6421 1.6528 1.6581 1.6684 1.6684 1.6684	1198.3 1204.2 1210.4 1216.5 1222.5 1228.4 1234.3 1240.1 1245.9 1251.6 1257.3 1262.9 1279.5 1279.5 1279.5 1284.9 1290.4 1295.8 1301.2 1306.5 1311.8 1317.1	2.31 2.35 2.39 2.43 2.47 2.51 2.55 2.66 2.69 2.73 2.77 2.80 2.84 2.87 2.91 2.94 3.01 3.04 3.08	1.7494 198 [381.0] 1.5464 1.5531 1.5603 1.5674 1.5743 1.5876 1.5941 1.6004 1.6066 1.6126 1.6126 1.6126 1.6126 1.6126 1.6126 1.6244 1.6301 1.6358 1.6413 1.6468 1.6522 1.6574 1.6626 1.6574 1.6626 1.6729 1.6780	1198.4 1204.0 1210.2 1216.3 1222.3 1234.2 1240.0 1245.7 1251.5 1257.1 1262.7 1268.3 1273.9 1279.4 1284.8 1290.3 1295.7 1301.1 1306.4	2.30 2.34 2.38 2.42 2.46 2.49 2.53 2.57 2.61 2.64 2.68 2.72 2.75 2.82 2.86 2.89 2.93 3.03 3.06 3.10	1.7488 199 [381.4] 1.5460 1.5524 1.5596 1.5669 1.5803 1.5869 1.619 1.6179 1.6237 1.6237 1.6407 1.6462 1.6568 1.66620 1.6672 1.6723	1198.4 1203.8 1210.0 1216.1 1222.1 1228.1 1234.0 1239.8 1245.6 1251.3 1257.0 1262.6 1268.2 1273.7 1279.2 1284.7 1290.2 1295.6 1306.3 1311.7 1317.0 1322.3	2.29 2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.59 2.63 2.67 2.70 2.74 2.77 2.81 2.88 2.91 2.95 2.98 3.01 3.05 3.08	1.7482 200 [381.9] 1.5456 1.5516 1.5556 1.5589 1.5769 1.5862 1.5927 1.6929 1.6052 1.6113 1.6172 1.6231 1.6288 1.6345 1.6455 1.6509 1.6562 1.6666	1198.5 1203.6 1209.8 1215.9 1221.9 1221.9 1233.8 1239.7 1245.5 1251.2 1256.9 1268.1 1273.6 1273.6 1273.6 1273.6 1273.6 1295.5 1300.9 1306.2 1311.6 1311.6 1311.6
5at. 390 410 410 420 430 440 450 460 470 480 490 510 520 530 540 560 570 580 590	2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.63 2.67 2.71 2.74 2.85 2.85 2.89 2.92 2.96 2.99 3.03 3.09	1.7500 197 [380.6] 1.5469 1.5539 1.5611 1.5681 1.5750 1.5883 1.5948 1.6011 1.6072 1.6133 1.6192 1.6251 1.6308 1.6364 1.6420 1.6474 1.6528 1.6581 1.6633 1.6684 1.6735 1.6786	1198.3 1204.2 1210.4 1216.5 1222.5 1228.4 1234.3 1240.1 1245.9 1257.3 1262.9 1279.5 1284.9 1290.4 1295.8 1301.2 1306.5 1311.8 1317.1	2.31 2.35 2.39 2.43 2.47 2.51 2.55 2.58 2.66 2.69 2.73 2.77 2.80 2.84 2.87 2.91 2.94 2.98 3.01 3.04 3.08	1.7494 198 [381.0] 1.5464 1.5531 1.5603 1.5674 1.5743 1.5810 1.5876 1.5941 1.6066 1.6126 1.6186 1.6244 1.6301 1.6358 1.6468 1.6522 1.6574 1.6626 1.6626 1.6729	1198.4 1204.0 1210.2 1216.3 1222.3 1228.3 1234.2 1240.0 1245.7 1251.5 1257.1 1262.7 1268.3 1279.4 1290.3 1295.7 1306.4 1311.7 1317.0 1322.4	2.30 2.34 2.38 2.42 2.46 2.53 2.57 2.61 2.64 2.68 2.72 2.75 2.86 2.89 2.93 2.96 2.99 3.03 3.06	1.7488 199 [381.4] 1.5460 1.5524 1.5596 1.5667 1.5736 1.5863 1.5863 1.5937 1.6059 1.6179 1.6237 1.6237 1.6407 1.6462 1.6515 1.6568 1.6568 1.6568 1.65620 1.6672 1.6723	1198.4 1203.8 1210.0 1216.1 1222.1 1228.1 1234.0 1245.6 1251.3 1257.0 1262.6 1268.2 1273.7 1279.2 1295.6 1301.0 1306.3 1311.7 1317.0	2.29 2.32 2.36 2.40 2.44 2.48 2.52 2.56 2.59 2.63 2.67 2.70 2.74 2.81 2.88 2.91 2.95 2.98 3.01 3.05	1.7482 200 [381.9] 1.5456 1.5516 1.5589 1.5796 1.5796 1.5862 1.5927 1.5990 1.6052 1.6113 1.6172 1.6231 1.6288 1.6345 1.6400 1.6455 1.6509 1.6562 1.6614 1.6666 1.6717 1.6768	1198.5 1203.6 1209.8 1215.9 1221.9 1227.9 1233.8 1239.7 1245.5 1251.2 1256.9 1262.5 1268.1 1279.1 1279.1 1284.6 1290.1

Pres- sure		201 [382.3]			202 [382.7]			203 [383.1]			204 [383.5]	
Temp	•	8	i	•	8	i	▼		i	•	8	i
Sat.	2.28	1.5451	1198.5	2.27	1.5447	1198.6	2.26	1.5443	1198.6	2.25	1.5438	1198.7
390	2.31	1.5509	1203.4	2.30	1.5501	1203.2	2.29	1.5494	1203.0	2.27	1.5487	1202.8
400	2.35	1.5581	1209.6	2.34	1.5574	1209.4	2.33	1.5567	1209.2	2.31	1.5560	1209.0
410	2.39	1.5652	1215.7	2.38	1.5645	1215.5	2.37	1.5638	1215.3	2.35	1.5631	1215.2
420 430	2.43 2.47	1.5721	1221.8	2.42 2.45	1.5714	1221.6	2.40 2.44	1.5707	1221.4	2.39 2.43	1.5700	1221.3
440	2.50	1.5855	1233.7	2.49	1.5848	1233.5	2.48	1.5841	1233.3	2.47	1.5835	1233.2
450	2.54	1.5920	1239.5	2.53	1.5913	1239.4	2.52	1.5906	1239.2	2.50	1.5900	1239.1
460	2.58	1.5983	1245.3	2.57	1.5976	1245.2	2.55	1.5970	1245.0	2.54	1.5963	1244.9
470 480	2.62 2.65	1.6045 1.6106	1251.0 1256.7	2.60 2.64	1.6038 1.6099	1250.9 1256.6	2.59 2.62	1.6032 1.6093	1250.8	2.57 2.61	1.6025 1.6086	1250.6
490	2.69	1.6166	1262.4	2.67	1.6159	1262.2	2.66	1.6153	1262.1	2.65	1.6146	1262.0
500	2.72	1.6224	1268.0	2.71	1.6218	1267.8	2.69	1.6211	1267.7	2.68	1.6205	1267.6
510	2.76	1.6282	1273.5	2.74	1.6275	1273.4	2.73	1.6269	1273.3	2.72	1.6263	1273.2
520	2.79	1.6338	1279.0	2.78	1.6332	1278.9	2.76	1.6326	1278.8	2.75	1.6319	1278.7
530 540	2.83 2.86	1.6394	1284.5	2.81 2.85	1.6388	1284.4	2.80 2.83	1.6381 1.6436	1284.3	2.78	1.6375	1284.2
550												
560	2.90 2.93	1.6503	1295.4	2.88 2.92	1.6497	1295.3	2.87	1.6490 1.6544	1295.2	2.85	1.6484	1295.1
570	2.96	1.6608	1306.1	2.95	1.6602	1306.0	2.93	1.6596	1306.0	2.92	1.6590	1305.9
580	3.00	1.6660	1311.5	2.98	1.6654	1311.4	2.97	1.6648	1311.3	2.95	1.6642	1311.2
590	3.03	1.6711	1316.8	3.02	1.6705	1316.7	3.00	1.6699	1316.6	2.98	1.6693	1316.6
600	3.06	1.6762	1322.1	3.05	1.6755	1322.1	3.03	1.6749	1322.0	3.02	1.6743	1321.9
650 700	3.23 3.39	1.7004	1348.4	3.21 3.37	1.6998	1348.4	3.19	1.5992	1348.3	3.18	1.6986	1348.2
750	3.55					1374.4	3.35		1374.4	3.34		
	3.33	1./432	1400.3	3.53	1.7447	1400.3	3.51	1.7441	1400.2	3.49	1.7435	1400.2
=	3-33	205		3.53	206	1400.3	3.51	207	1400.2	3.49	208	1400.2
		205 [383.9]			206 [384.4]			207 [384.8]			208 [385.2]	
Sat.	2.24	205	1198.7	2.23	206	1198.8	2.22	207		2.21	208	1198.9
		205 [383.9]			206 [384.4]			207 [384.8]			208 [385.2]	
Sat.	2.24	205 [383.9] 1.5434 1.5479 1.5552	1198.7	2.23	206 [384.4] 1.5430	1198.8	2.22	207 [384.8] 1.5425 1.5465 1.5538	1198.8	2.21	208 [385.2] 1.5421 1.5457 1.5531	1198.9
Sat. 390 400 410	2.24 2.26 2.30 2.34	205 [383.9] 1.5434 1.5479 1.5552 1.5624	1198.7 1202.6 1208.8 1215.0	2.23 2.25 2.29 2.33	206 [384-4] 1.5430 1.5472 1.5545 1.5617	1198.8 1202.4 1208.6 1214.8	2.22 2.24 2.28 2.32	207 [384-8] 1.5425 1.5465 1.5538 1.5610	1198.8 1202.2 1208.4 1214.6	2.2I 2.23 2.26 2.30	208 [385.2] 1.5421 1.5457 1.5531 1.5603	1198.9 1202.0 1208.2 1214.4
Sat. 390 400 410 420	2.24 2.26 2.30 2.34 2.38	205 [383.9] 1.5434 1.5479 1.5552 1.5624 1.5693	1198.7 1202.6 1208.8 1215.0 1221.1	2.23 2.25 2.29 2.33 2.37	206 [384-4] 1.5430 1.5472 1.5545 1.5617 1.5687	1198.8 1202.4 1208.6 1214.8 1220.9	2.22 2.24 2.28 2.32 2.35	207 [384.8] 1.5425 1.5465 1.5538 1.5610 1.5680	1198.8 1202.2 1208.4 1214.6 1220.7	2.21 2.23 2.26 2.30 2.34	208 [385.2] 1.5421 1.5457 1.5531 1.5603 1.5673	1198.9 1202.0 1208.2 1214.4 1220.5
Sat. 390 400 410 420 430	2.24 2.26 2.30 2.34 2.38 2.42	205 [383-9] 1.5434 1.5479 1.5552 1.5624 1.5693 1.5761	1198.7 1202.6 1208.8 1215.0 1221.1 1227.1	2.23 2.25 2.29 2.33 2.37 2.40	206 [384-4] 1.5430 1.5472 1.5545 1.5617 1.5687 1.5755	1198.8 1202.4 1208.6 1214.8 1220.9 1226.9	2.22 2.24 2.28 2.32 2.35 2.39	207 [384.8] 1.5425 1.5465 1.5538 1.5610 1.5680 1.5748	1198.8 1202.2 1208.4 1214.6 1220.7 1226.7	2.21 2.23 2.26 2.30 2.34 2.38	208 [385.2] 1.5421 1.5457 1.5531 1.5603 1.5673 1.5741	1198.9 1202.0 1208.2 1214.4 1220.5 1226.6
Sat. 390 400 410 420 430 440	2.24 2.26 2.30 2.34 2.38	205 [383.9] 1.5434 1.5479 1.5552 1.5624 1.5693	1198.7 1202.6 1208.8 1215.0 1221.1	2.23 2.25 2.29 2.33 2.37	206 [384-4] 1.5430 1.5472 1.5545 1.5617 1.5687	1198.8 1202.4 1208.6 1214.8 1220.9	2.22 2.24 2.28 2.32 2.35	207 [384.8] 1.5425 1.5465 1.5538 1.5610 1.5680	1198.8 1202.2 1208.4 1214.6 1220.7	2.21 2.23 2.26 2.30 2.34	208 [385.2] 1.5421 1.5457 1.5531 1.5603 1.5673	1198.9 1202.0 1208.2 1214.4 1220.5
Sat. 390 400 410 420 430 440	2.24 2.26 2.30 2.34 2.38 2.42 2.45	205 [383.9] 1.5434 1.5479 1.5552 1.5624 1.5693 1.5761 1.5828 1.5893	1198.7 1202.6 1208.8 1215.0 1221.1 1227.1 1233.0	2.23 2.25 2.29 2.33 2.37 2.40 2.44	206 [384.4] 1.5430 1.5472 1.5545 1.5617 1.5687 1.5755 1.5821 1.5886	1198.8 1202.4 1208.6 1214.8 1220.9 1226.9 1232.9	2.22 2.24 2.28 2.32 2.35 2.39 2.43	207 [384.8] 1.5425 1.5465 1.5538 1.5610 1.5680 1.5748 1.5814 1.5879	1198.8 1202.2 1208.4 1214.6 1220.7 1226.7 1232.7	2.21 2.23 2.26 2.30 2.34 2.38 2.41	208 [385.2] 1.5421 1.5457 1.5531 1.5603 1.5673 1.5741 1.5807	1198.9 1202.0 1208.2 1214.4 1220.5 1226.6 1232.5
Sat. 390 400 410 420 430 440 450 460	2.24 2.26 2.30 2.34 2.38 2.42 2.45 2.45	205 [383-9] 1.5434 1.5552 1.5624 1.5693 1.5761 1.5828 1.5893 1.5956	1198.7 1202.6 1208.8 1215.0 1221.1 1227.1 1233.0 1238.9	2.23 2.25 2.29 2.33 2.37 2.40 2.44 2.48 2.51	206 [384.4] 1.5430 1.5472 1.5545 1.5617 1.5687 1.5755 1.5821 1.5886 1.5950	1198.8 1202.4 1208.6 1214.8 1220.9 1226.9 1232.9 1238.8 1244.6	2.22 2.24 2.28 2.32 2.35 2.39 2.43	207 [3848] 1.5425 1.5465 1.5538 1.5610 1.5680 1.5748 1.5814 1.5879 1.5943	1198.8 1202.2 1208.4 1214.6 1220.7 1226.7 1232.7 1238.6 1244.4	2.21 2.23 2.26 2.30 2.34 2.38 2.41 2.45 2.49	208 [385.2] 1.5427 1.5457 1.5531 1.5603 1.5673 1.5741 1.5807 1.5872 1.5936	1198.9 1202.0 1208.2 1214.4 1220.5 1226.6 1232.5 1238.4 1244.3
Sat. 390 400 410 420 430 440 450 460 470	2.24 2.26 2.30 2.34 2.38 2.42 2.45 2.45 2.53 2.56	205 [383-9] 1.5434 1.5479 1.5552 1.5624 1.5693 1.5761 1.5828 1.5893 1.5956 1.6019	1198.7 1202.6 1208.8 1215.0 1221.1 1227.1 1233.0 1238.9 1244.7 1250.5	2.23 2.25 2.29 2.33 2.37 2.40 2.44 2.51 2.55	206 [384.4] 1.5430 1.5472 1.5545 1.5617 1.5755 1.5821 1.5886 1.5950 1.6012	1198.8 1202.4 1208.6 1214.8 1220.9 1232.9 1232.9 1232.9	2.22 2.24 2.28 2.32 2.35 2.39 2.43 2.47 2.50 2.53	207 [384.8] 1.5425 1.5465 1.5538 1.5610 1.5684 1.5814 1.5879 1.5943 1.6005	1198.8 1202.2 1208.4 1214.6 1220.7 1232.7 1232.7 1238.6 1244.4	2.21 2.23 2.26 2.30 2.34 2.38 2.41 2.45 2.49 2.52	208 [385.2] 1.5421 1.5457 1.5531 1.5603 1.5673 1.5741 1.5807	1198.9 1202.0 1208.2 1314.4 1220.5 1232.5 1238.4 1244.3 1250.1
Sat. 390 400 410 420 430 440 450 460	2.24 2.26 2.30 2.34 2.38 2.42 2.45 2.45	205 [383-9] 1.5434 1.5552 1.5624 1.5693 1.5761 1.5828 1.5893 1.5956	1198.7 1202.6 1208.8 1215.0 1221.1 1227.1 1233.0 1238.9	2.23 2.25 2.29 2.33 2.37 2.40 2.44 2.48 2.51	206 [384.4] 1.5430 1.5472 1.5545 1.5617 1.5687 1.5755 1.5821 1.5886 1.5950	1198.8 1202.4 1208.6 1214.8 1220.9 1226.9 1232.9 1238.8 1244.6	2.22 2.24 2.28 2.32 2.35 2.39 2.43	207 [3848] 1.5425 1.5465 1.5538 1.5610 1.5680 1.5748 1.5814 1.5879 1.5943	1198.8 1202.2 1208.4 1214.6 1220.7 1226.7 1232.7 1238.6 1244.4 1250.9	2.21 2.23 2.26 2.30 2.34 2.38 2.41 2.45 2.49	208 [385.2] 1.5427 1.5457 1.5531 1.5603 1.5673 1.5741 1.5807 1.5872 1.5936	1198.9 1202.0 1208.2 1214.4 1220.5 1226.6 1232.5 1238.4 1244.3
Sat. 390 400 410 420 430 440 460 470 480	2.24 2.26 2.30 2.34 2.38 2.42 2.45 2.45 2.53 2.56 2.60	205 [383.9] 1.5434 1.5479 1.5552 1.5693 1.5761 1.5828 1.5893 1.5956 1.6019	1198.7 1202.6 1208.8 1215.0 1227.1 1227.1 1233.0 1238.9 1244.7 1250.5 1256.2	2.23 2.25 2.29 2.33 2.37 2.40 2.44 2.51 2.55 2.55 2.58	206 [384.4] 1.5472 1.5545 1.5617 1.5687 1.5755 1.5821 1.5886 1.5950 1.6012 1.6073	1198.8 1202.4 1208.6 1214.8 1220.9 1232.9 1232.9 1238.8 1244.6 1250.3 1250.3	2.22 2.24 2.28 2.32 2.35 2.39 2.43 2.47 2.50 2.53 2.57	207 [384.8] 1.5425 1.5538 1.5610 1.5680 1.5748 1.5814 1.5879 1.5943 1.6005 1.6005	1198.8 1202.2 1208.4 1214.6 1220.7 1226.7 1232.7 1238.6 1244.4 1250.2 1255.9 1261.6	2.21 2.23 2.26 2.30 2.34 2.38 2.41 2.45 2.49 2.52 2.56	208 [385.2] 1.5421 1.5457 1.5531 1.5603 1.5741 1.5807 1.5872 1.5936 1.5939 1.5999 1.6060	1198.9 1202.0 1208.2 1214.4 1220.5 1226.6 1232.5 1238.4 1244.3 1250.1 1255.8 1261.5
Sat. 390 400 410 420 430 440 450 460 470 480 490 510	2.24 2.26 2.30 2.34 2.38 2.42 2.45 2.49 2.53 2.56 2.60 2.63 2.67 2.70	205 [383.9] 1.5434 1.5479 1.5552 1.5624 1.5953 1.5761 1.5828 1.5893 1.5956 1.6019 1.6080 1.6140	1198.7 1202.6 1208.8 1215.0 1227.1 1227.1 1233.0 1238.9 1244.7 1250.5 1256.2 1261.8	2.23 2.25 2.29 2.33 2.37 2.40 2.44 2.55 2.55 2.58 2.62 2.65 2.69	206 [384.4] 1.5472 1.5545 1.5617 1.5657 1.5755 1.5821 1.5886 1.5950 1.6012 1.6073 1.6133 1.6192 1.6250	1198.8 1202.4 1208.6 1214.8 1220.9 1232.9 1232.9 1232.9 124.6 1250.3 1256.0 1261.7	2.22 2.24 2.28 2.32 2.35 2.43 2.47 2.50 2.53 2.57 2.61	207 [384.8] 1.5425 1.5465 1.5538 1.5610 1.5748 1.5814 1.5819 1.5943 1.6005 1.6067 1.6127	1198.8 1202.2 1208.4 1214.6 1220.7 1226.7 1232.7 1238.6 1244.4 1250.2 1255.9 1261.6	2.21 2.23 2.26 2.30 2.34 2.38 2.41 2.45 2.49 2.52 2.56 2.59 2.63 2.66	208 [385.2] 1.5421 1.5457 1.5531 1.5603 1.5741 1.5807 1.5872 1.5936 1.5999 1.6060 1.6120 1.6179 1.6237	1198.9 1202.0 1208.2 1214.4 1220.5 1232.5 1232.5 1238.4 1244.3 1255.8 1261.5
\$at. 390 400 410 420 430 440 450 470 480 490 510 520	2.24 2.26 2.30 2.34 2.38 2.45 2.49 2.53 2.56 2.60 2.63 2.67 2.70	205 [383.9] 1.5434 1.5479 1.5552 1.5624 1.5693 1.5761 1.5893 1.5959 1.6080 1.6140 1.6199 1.6256 1.6313	1198.7 1202.6 1208.8 1215.0 1221.1 1227.1 1233.0 1238.9 1244.7 1250.5 1256.2 1261.8	2.23 2.25 2.29 2.33 2.37 2.40 2.44 2.55 2.55 2.62 2.65 2.69 2.72	206 [384.4] 1.5472 1.5545 1.5617 1.5687 1.5755 1.5821 1.5886 1.5950 1.6012 1.6073 1.6192 1.6250 1.6307	1198.8 1202.4 1208.6 1214.8 1220.9 1232.9 1232.9 1238.8 1244.6 1250.3 1256.0 1261.7	2.22 2.24 2.28 2.32 2.35 2.39 2.43 2.47 2.50 2.53 2.57 2.61	207 [384.8] 1.5425 1.5538 1.5610 1.5680 1.5748 1.5814 1.5879 1.5943 1.6005 1.6067 1.6127	1198.8 1202.2 1208.4 1214.6 1220.7 1226.7 1232.7 1238.6 1244.4 1255.9 1261.6 1267.2 1272.8 1278.3	2.21 2.23 2.26 2.30 2.34 2.38 2.41 2.45 2.45 2.56 2.59 2.63 2.66 2.69	208 [385.2] 1.5457 1.5531 1.5603 1.5673 1.5741 1.5807 1.5892 1.5999 1.6060 1.6179 1.6237 1.6237 1.6294	1198.9 1202.0 1208.2 1214.4 1220.5 1232.5 1232.5 1238.4 1255.8 1261.5
Sat. 390 400 410 420 440 450 450 490 550 530 530	2.24 2.30 2.34 2.38 2.45 2.45 2.53 2.56 2.60 2.60 2.63 2.70 2.74 2.77	205 [383.9] 1.5434 1.5479 1.5552 1.5693 1.5761 1.5828 1.5828 1.5956 1.6019 1.6080 1.6140 1.6199 1.6256 1.6313 1.6369	1198.7 1202.6 1208.8 1215.0 1221.1 1227.1 1233.0 1238.9 1244.7 1256.2 1261.8 1267.4 1273.6 1273.6 1284.1	2.23 2.25 2.29 2.33 2.37 2.40 2.44 2.51 2.55 2.58 2.62 2.65 2.69 2.72 2.76	206 [384.4] 1.5472 1.5545 1.5617 1.5687 1.5755 1.5821 1.5886 1.5950 1.6012 1.6073 1.6192 1.6292 1.6397 1.6397 1.6397	1198.8 1202.4 1208.6 1214.8 1220.9 1232.9 1232.9 1238.8 1244.6 1250.3 1256.0 1261.7	2.22 2.24 2.28 2.32 2.35 2.39 2.43 2.47 2.50 2.53 2.57 2.61 2.64 2.67 2.71	207 [384.8] 1.5465 1.5538 1.5610 1.5680 1.5748 1.5814 1.5879 1.6065 1.6065 1.6127 1.6186 1.6243 1.6320 1.6320 1.6326	1198.8 1202.2 1208.4 1214.6 1220.7 1232.7 1238.6 1244.4 1255.9 1261.6 1267.2 1272.8 1278.3 1283.8	2.21 2.23 2.26 2.30 2.34 2.38 2.41 2.45 2.49 2.52 2.56 2.59 2.63 2.66 2.69 2.73	208 [385.2] 1.5457 1.5531 1.5603 1.5673 1.5741 1.5807 1.5807 1.5809 1.6099 1.6020 1.6179 1.6237 1.6294 1.6350	1198.9 1202.0 1208.2 1214.4 1220.5 1232.5 1238.4 1244.3 1255.8 1261.5 1272.7 1272.7 1278.2 1283.7
\$at. 390 400 410 420 430 440 450 450 510 520 530 540	2.24 2.26 2.30 2.34 2.38 2.45 2.49 2.53 2.56 2.60 2.63 2.67 2.70	205 [383.9] 1.5434 1.5479 1.5552 1.5624 1.5693 1.5761 1.5893 1.5959 1.6080 1.6140 1.6199 1.6256 1.6313	1198.7 1202.6 1208.8 1215.0 1221.1 1227.1 1233.0 1238.9 1244.7 1250.5 1256.2 1261.8	2.23 2.25 2.29 2.33 2.37 2.40 2.44 2.55 2.55 2.62 2.65 2.69 2.72	206 [384.4] 1.5472 1.5545 1.5617 1.5687 1.5755 1.5821 1.5886 1.5950 1.6012 1.6073 1.6192 1.6250 1.6307	1198.8 1202.4 1208.6 1214.8 1220.9 1232.9 1232.9 1238.8 1244.6 1250.3 1256.0 1261.7	2.22 2.24 2.28 2.32 2.35 2.39 2.43 2.47 2.50 2.53 2.57 2.61	207 [384.8] 1.5425 1.5538 1.5610 1.5680 1.5748 1.5814 1.5879 1.5943 1.6005 1.6067 1.6127	1198.8 1202.2 1208.4 1214.6 1220.7 1226.7 1232.7 1238.6 1244.4 1255.9 1261.6 1267.2 1272.8 1278.3	2.21 2.23 2.26 2.30 2.34 2.38 2.41 2.45 2.45 2.56 2.59 2.63 2.66 2.69	208 [385.2] 1.5421 1.5457 1.5531 1.5603 1.5741 1.5807 1.5807 1.5899 1.6060 1.6179 1.6237 1.6294 1.6350 1.6405	1198.9 1202.0 1208.2 1214.4 1220.5 1232.5 1232.5 1238.4 1255.8 1261.5
Sat. 390 400 410 420 440 450 450 510 520 530 540 550	2.24 2.26 2.30 2.34 2.38 2.42 2.45 2.49 2.53 2.56 2.60 2.63 2.70 2.77 2.80 2.84	205 [383.9] 1.5434 1.5479 1.5552 1.5624 1.593 1.5761 1.5828 1.5893 1.5956 1.6019 1.6080 1.6140 1.6199 1.6256 1.6313 1.6369 1.6424 1.6478	1198.7 1202.6 1208.8 1215.0 1221.1 1227.1 1233.0 1238.9 1244.7 1250.5 1261.8 1267.4 1273.0 1278.6 1284.1 1289.6	2.23 2.25 2.33 2.37 2.40 2.44 2.51 2.55 2.58 2.62 2.69 2.72 2.76 2.79 2.82	206 [384.4] 1.5472 1.5545 1.5617 1.5687 1.5755 1.5821 1.5886 1.5950 1.6012 1.6073 1.6133 1.6192 1.6250 1.6362 1.6347 1.6472	1198.8 1202.4 1208.6 1214.8 1220.9 1226.9 1232.9 1232.9 1244.6 1250.3 1256.0 1261.7 1267.3 1272.9 1278.5 1284.0 1289.5	2.22 2.24 2.28 2.32 2.35 2.43 2.47 2.50 2.53 2.57 2.61 2.64 2.67 2.71 2.74 2.78	207 [384.8] 1.5425 1.5465 1.5538 1.5610 1.5748 1.5879 1.5943 1.6005 1.6067 1.6127 1.6186 1.6243 1.6300 1.6356 1.6411	1198.8 1202.2 1208.4 1214.6 1220.7 1226.7 1232.7 1238.6 1244.4 1255.9 1261.6 1267.2 1272.8 1278.3 1283.8 1289.3	2.21 2.23 2.26 2.30 2.34 2.38 2.41 2.45 2.52 2.56 2.59 2.66 2.69 2.73 2.76	208 [385.2] 1.5421 1.5457 1.5531 1.5603 1.5741 1.5807 1.5872 1.5936 1.5999 1.6237 1.6294 1.6350 1.6405 1.6459	1198.9 1202.0 1208.2 1214.4 1220.5 1232.5 1232.5 1232.5 1255.8 1261.5 1267.1 1272.7 1278.2 1283.7 1289.2
Sat. 390 400 410 420 440 450 450 550 550 550 550 560	2.24 2.30 2.34 2.38 2.45 2.45 2.49 2.56 2.60 2.63 2.67 2.77 2.77 2.80 2.84 2.87	205 [383.9] 1.5479 1.5552 1.5693 1.5761 1.5828 1.5893 1.5956 1.6019 1.6256 1.6313 1.6369 1.6424 1.6478 1.6478	1198.7 1202.6 1208.8 1215.0 1221.1 1227.1 1233.0 1238.9 1244.7 1250.5 1261.8 1267.4 1273.0 1278.6 1284.1 1289.6	2.23 2.25 2.29 2.33 2.37 2.44 2.48 2.51 2.55 2.62 2.62 2.72 2.76 2.79 2.82 2.86	206 [384.4] 1.5472 1.5545 1.5617 1.5687 1.5755 1.5821 1.5886 1.5950 1.6012 1.6073 1.6192 1.6250 1.6307 1.6307 1.6472 1.6472 1.6472 1.6525	1198.8 1202.4 1208.6 1214.8 1220.9 1232.9 1232.9 1238.8 1244.6 1250.3 1250.0 1261.7 1267.3 1272.9 1278.5 1284.0 1289.5	2.22 2.24 2.28 2.32 2.35 2.43 2.47 2.50 2.53 2.57 2.61 2.64 2.67 2.71 2.74 2.78 2.81 2.84	207 [384.8] 1.5465 1.5538 1.5610 1.5680 1.5748 1.5814 1.5879 1.5943 1.6067 1.6127 1.6186 1.6243 1.6320 1.6356 1.6411 1.6466 1.6519	1198.8 1202.2 1208.4 1214.6 1220.7 1226.7 1238.6 1244.4 1250.2 1255.9 1261.6 1267.2 1272.8 1283.8 1289.3 1294.8 1300.2	2.21 2.23 2.26 2.30 2.34 2.38 2.41 2.45 2.49 2.52 2.56 2.59 2.63 2.66 2.69 2.73 2.76	208 [385.2] 1.5457 1.5531 1.5603 1.5673 1.5741 1.5807 1.5892 1.5999 1.6060 1.6120 1.6237 1.6234 1.6350 1.6405 1.6459 1.6459 1.6459	1198.9 1202.0 1208.2 1214.4 1220.5 1232.5 1238.4 1244.3 1255.8 1261.5 1267.1 1278.2 1283.7 1289.2 1294.7 1300.1
Sat. 390 400 410 420 450 450 450 550 550 550 570	2.24 2.30 2.34 2.38 2.45 2.45 2.53 2.53 2.56 2.60 2.63 2.77 2.77 2.80 2.84 2.87 2.90	205 [383-9] 1.5479 1.5552 1.5624 1.5693 1.5761 1.5828 1.5956 1.6019 1.6080 1.6140 1.6199 1.6256 1.6313 1.6369 1.6424 1.6478 1.6531 1.6584	1198.7 1202.6 1208.8 1215.0 1221.1 1227.1 1233.0 1238.9 1244.7 1250.5 1261.8 1267.4 1273.0 1273.0 1273.0 1273.0 1273.0 1284.1 1289.6	2.23 2.25 2.29 2.33 2.37 2.40 2.44 2.51 2.55 2.58 2.62 2.65 2.72 2.76 2.79 2.86 2.89	206 [384.4] 1.5472 1.5545 1.5617 1.5545 1.5755 1.5755 1.5821 1.5886 1.692 1.6073 1.6133 1.6192 1.6307 1.6367 1.6472 1.6525 1.6578	1198.8 1202.4 1208.6 1214.8 1220.9 1232.9 1238.8 1244.6 1250.3 1256.0 1261.7 1272.9 1284.0 1289.5 1294.9 1300.3 1305.7	2.22 2.24 2.32 2.35 2.39 2.43 2.50 2.53 2.57 2.61 2.64 2.67 2.74 2.78 2.81 2.84 2.87	207 [384.8] 1.5425 1.5465 1.5538 1.5610 1.5748 1.5814 1.5879 1.5943 1.6005 1.6127 1.6186 1.6243 1.6356 1.6411 1.6466 1.6519 1.6572	1198.8 1202.2 1208.4 1214.6 1220.7 1226.7 1238.6 1244.4 1255.9 1261.6 1267.2 1272.8 1283.8 1289.3 1294.8 1300.2 1305.6	2.21 2.23 2.26 2.30 2.34 2.41 2.45 2.49 2.52 2.56 2.59 2.63 2.73 2.76 2.80 2.83 2.86	208 [385.2] 1.5421 1.5457 1.5531 1.5603 1.5741 1.5807 1.5872 1.5936 1.5999 1.6060 1.6120 1.6179 1.6237 1.6237 1.6237 1.6350 1.6459 1.6513 1.6565	1198.9 1202.0 1208.2 1214.4 1220.5 1232.5 1238.4 1244.3 1255.8 1261.5 1267.1 1272.7 1278.2 1283.7 1289.2 1294.7 1300.1 1305.5
Sat. 390 400 410 420 440 450 450 550 550 550 550 560	2.24 2.30 2.34 2.38 2.45 2.45 2.49 2.56 2.60 2.63 2.67 2.77 2.77 2.80 2.84 2.87	205 [383.9] 1.5479 1.5552 1.5693 1.5761 1.5828 1.5893 1.5956 1.6019 1.6256 1.6313 1.6369 1.6424 1.6478 1.6478	1198.7 1202.6 1208.8 1215.0 1221.1 1227.1 1233.0 1238.9 1244.7 1250.5 1261.8 1267.4 1273.0 1278.6 1284.1 1289.6	2.23 2.25 2.29 2.33 2.37 2.44 2.48 2.51 2.55 2.62 2.62 2.72 2.76 2.79 2.82 2.86	206 [384.4] 1.5472 1.5545 1.5617 1.5687 1.5755 1.5821 1.5886 1.5950 1.6012 1.6073 1.6192 1.6250 1.6307 1.6307 1.6472 1.6472 1.6472 1.6525	1198.8 1202.4 1208.6 1214.8 1220.9 1232.9 1232.9 1238.8 1244.6 1250.3 1250.0 1261.7 1267.3 1272.9 1278.5 1284.0 1289.5	2.22 2.24 2.28 2.32 2.35 2.43 2.47 2.50 2.53 2.57 2.61 2.64 2.67 2.71 2.74 2.78 2.81 2.84	207 [384.8] 1.5465 1.5538 1.5610 1.5680 1.5748 1.5814 1.5879 1.5943 1.6067 1.6127 1.6186 1.6243 1.6320 1.6356 1.6411 1.6466 1.6519	1198.8 1202.2 1208.4 1214.6 1220.7 1226.7 1238.6 1244.4 1255.9 1261.6 1267.2 1272.8 1283.8 1289.3 1294.8 1300.2 1305.6	2.21 2.23 2.26 2.30 2.34 2.38 2.41 2.45 2.49 2.52 2.56 2.59 2.63 2.66 2.69 2.73 2.76	208 [385.2] 1.5457 1.5531 1.5603 1.5673 1.5741 1.5807 1.5892 1.5999 1.6060 1.6120 1.6237 1.6234 1.6350 1.6405 1.6459 1.6459 1.6459	1198.9 1202.0 1208.2 1214.4 1220.5 1232.5 1238.4 1244.3 1255.8 1261.5 1267.1 1278.2 1283.7 1289.2 1294.7 1300.1
\$at. 390 400 410 420 450 450 550 550 550 550 550 550 550 55	2.24 2.30 2.34 2.38 2.42 2.45 2.49 2.53 2.56 2.60 2.63 2.77 2.80 2.84 2.87 2.90 2.97	205 [383.9] 1.5479 1.5552 1.5624 1.5693 1.5761 1.5893 1.5952 1.6080 1.6140 1.6199 1.6256 1.6313 1.6369 1.6424 1.6478 1.6531 1.6584 1.6584 1.6636 1.6687	1198.7 1202.6 1208.8 1215.0 1221.1 1227.1 1233.0 1238.9 1244.7 1250.5 1261.8 1267.4 1273.0 1278.6 1284.1 1289.6 1295.0 1300.4 1305.8 1311.1 1316.5	2.23 2.25 2.29 2.33 2.37 2.40 2.44 2.51 2.55 2.55 2.62 2.72 2.76 2.79 2.86 2.89 2.92	206 [384.4] 1.5472 1.5545 1.5617 1.5687 1.5755 1.5886 1.5950 1.6073 1.6192 1.6250 1.6307 1.6362 1.6417 1.6472 1.6525 1.6578 1.65630 1.6681	1198.8 1202.4 1208.6 1214.8 1220.9 1232.9 1232.9 1232.9 1256.0 1250.3 1256.0 1261.7 1267.3 1272.9 1278.5 1284.0 1294.9 1300.3 1305.7 1311.1 1316.4	2.22 2.24 2.28 2.32 2.35 2.43 2.47 2.50 2.53 2.57 2.61 2.64 2.67 2.71 2.74 2.78 2.81 2.84 2.87 2.91	207 [384.8] 1.5465 1.5465 1.5538 1.5610 1.5748 1.5879 1.6005 1.6007 1.6127 1.6186 1.6243 1.6356 1.6411 1.6466 1.6519 1.6572 1.6624	1198.8 1202.2 1208.4 1214.6 1220.7 1226.7 1238.6 1244.4 1250.2 1261.6 1267.2 1272.8 1278.3 1283.8 1289.3 1294.8 1300.2 1305.6 1311.0 1316.3	2.21 2.23 2.26 2.30 2.34 2.41 2.45 2.52 2.56 2.59 2.63 2.66 2.69 2.73 2.76 2.80 2.80 2.83 2.86 2.89	208 [385.2] 1.5421 1.5457 1.5531 1.5603 1.5741 1.5807 1.5807 1.5899 1.6060 1.6120 1.6179 1.6237 1.6294 1.6350 1.6405 1.6405 1.6459 1.6513 1.6565 1.6513	1198.9 1202.0 1208.2 1214.4 1220.5 1232.5 1238.4 1244.3 1255.8 1261.5 1267.1 1272.7 1278.2 1283.7 1289.2 1294.7 1305.5 1310.9
\$at. 390 400 410 420 450 450 550 550 550 550 650 650 650	2.24 2.30 2.34 2.34 2.32 2.45 2.45 2.56 2.60 2.63 2.67 2.70 2.77 2.80 2.84 2.87 2.90 2.94	205 [383-9] 1.5479 1.5552 1.5624 1.5693 1.5761 1.5828 1.5956 1.6019 1.6080 1.6140 1.6199 1.6256 1.6313 1.6369 1.6478 1.6584 1.6584 1.6584 1.6584	1198.7 1202.6 1208.8 1215.0 1221.1 1233.0 1238.9 1244.7 1250.5 1261.8 1267.4 1273.0 1278.6 1284.1 1289.6 1295.0 1300.4 1305.8 1311.1	2.23 2.25 2.29 2.33 2.37 2.40 2.44 2.51 2.55 2.58 2.62 2.62 2.72 2.72 2.79 2.86 2.89 2.92	206 [384.4] 1.5472 1.5545 1.5617 1.5686 1.5950 1.6012 1.6073 1.6192 1.6250 1.6367 1.6417 1.6472 1.6578	1198.8 1202.4 1208.6 1214.8 1220.9 1232.9 1232.9 1232.9 1244.6 1250.3 1256.0 1261.7 1267.3 1272.9 1278.5 1284.0 1289.5 1294.9 1300.3 1305.7 1311.1 1316.4	2.22 2.24 2.28 2.32 2.35 2.43 2.47 2.50 2.53 2.57 2.61 2.64 2.67 2.71 2.78 2.81 2.81 2.81 2.87 2.91	207 [384.8] 1.5465 1.5465 1.5538 1.5610 1.5748 1.5879 1.6005 1.6027 1.6186 1.6243 1.6356 1.6411 1.6466 1.6519 1.6572 1.6624 1.6572 1.6624 1.6675 1.6725 1.6969	1198.8 1202.2 1208.4 1214.6 1220.7 1226.7 1238.6 1244.4 1250.2 1261.6 1267.2 1272.8 1278.3 1283.8 1289.3 1294.8 1300.2 1305.6 1311.0 1316.3	2.21 2.23 2.26 2.30 2.34 2.41 2.45 2.52 2.56 2.59 2.63 2.66 2.69 2.73 2.76 2.80 2.80 2.89 2.93	208 [385.2] 1.5457 1.5457 1.5531 1.5603 1.5741 1.5807 1.5899 1.6060 1.6120 1.6129 1.6237 1.6294 1.6350 1.6459 1.6459 1.6565 1.6669 1.6719 1.6669 1.6719 1.6669	1198.9 1202.0 1208.2 1214.4 1220.5 1232.5 1238.4 1244.3 1255.8 1261.5 1267.1 1272.7 1278.2 1283.7 1289.2 1294.7 1305.5 1310.9 1316.2 1321.6 1348.0
Sat. 390 400 410 420 440 450 450 550 550 550 550 600 600	2.24 2.30 2.34 2.38 2.45 2.45 2.45 2.53 2.56 2.60 2.63 2.77 2.77 2.80 2.84 2.87 2.90 2.94 2.97	205 [383-9] 1.5479 1.5552 1.5624 1.5624 1.5628 1.5761 1.5828 1.5956 1.6019 1.6256 1.6313 1.6369 1.6424 1.6531 1.6586 1.6531 1.6586 1.6531 1.6586 1.6587	1198.7 1202.6 1208.8 1215.0 1221.1 1227.1 1233.0 1238.9 1244.7 1250.5 1261.8 1267.4 1273.0 1273.0 1273.0 1284.1 1289.6 1305.8 1311.1 1316.5	2.23 2.25 2.29 2.33 2.37 2.44 2.48 2.51 2.55 2.62 2.62 2.72 2.76 2.79 2.86 2.89 2.92 2.95	206 [384.4] 1.5472 1.5545 1.5617 1.5687 1.5755 1.5821 1.5886 1.5950 1.6012 1.6013 1.6192 1.6250 1.6307 1.6362 1.6417 1.6472 1.6525 1.6525 1.6526 1.6526 1.6526 1.6578 1.6630 1.6681 1.6731	1198.8 1202.4 1208.6 1214.8 1220.9 1232.9 1232.9 1232.9 1244.6 1250.3 1272.9 1267.3 1272.9 1278.5 1284.0 1289.5 1294.9 1300.3 1305.7 1311.1 1316.4	2.22 2.24 2.28 2.32 2.35 2.39 2.43 2.47 2.50 2.53 2.57 2.61 2.64 2.67 2.71 2.74 2.78 2.81 2.84 2.87 2.91 2.94	207 [384.8] 1.5465 1.5538 1.5610 1.5680 1.5748 1.5879 1.5943 1.6005 1.6027 1.6127 1.6186 1.6243 1.6300 1.6356 1.6411 1.6466 1.6519 1.6572 1.6624 1.6675 1.6725	1198.8 1202.2 1208.4 1214.6 1220.7 1226.7 1238.6 1244.4 1250.2 1250.2 1272.8 1272.8 1283.8 1289.3 1294.8 1300.2 1305.6 1311.0 1321.7	2.21 2.23 2.26 2.30 2.34 2.38 2.41 2.45 2.52 2.56 2.59 2.63 2.66 2.69 2.73 2.76 2.80 2.83 2.86 2.89 2.93	208 [385.2] 1.5457 1.5531 1.5603 1.5673 1.5741 1.5807 1.5897 1.5936 1.6936 1.6179 1.6294 1.6350 1.6459 1.6459 1.6459 1.6565 1.6669 1.6719	1198.9 1202.0 1208.2 1214.4 1220.5 1232.5 1238.4 1244.3 1255.8 1261.5 1272.7 1278.2 1283.7 1289.2 1294.7 1300.1 1305.5 1310.9 1316.2

Pres-		209 [385.6]	٠		210 [386.0]			211 [386.4]			212 [386.8]	
Temp F.	₩	8	i	•		i	•		i	▼		i
Sat.	2.20	1.5417	1198.9	2.19	1.5413	1199.0	2.18	1.5409	1199.1	2.17	1.5405	1199.1
390	2.21	1.5450	1201.8	2.20	1.5443	1201.6	2.19	1.5436	1201.4	2.18	1.5429	1201.1
400	2.25	1.5524	1 208.0	2.24	1.5517	1207.9	2.23	1.5510	1207.7	2.22	1.5503	1207.5
410	2.29	1.5596	1214.2	2.28	1.5589	1214.1	2.27	1.5582	1213.9	2.26	1.5575	1213.7
420	2.33	1.5666	1220.4	2.32	1.5659	1220.2	2.30	1.5652	1220.0	2.29	1.5645	
430	2.37	1.5734	1225.4	2.35	1.5727	1226.2	2.34	1.5720	1226.1	2.33	1.5714	1225.9
440	2.40	1.5801	1232.4	2.39	1.5794	1232.2	2.38	1.5787	1232.1	2.37	1.5781	1231.9
450	2.44	1.5866	1238.3	2.43	1.5859	1238.1	2.41	1.5853	1238.0	2.40	1.5846	1237.8
460	2.47	1.5929	1244.1	2.46	1.5923	1244.0	2.45	1.5917	1243.8	2.44	1.5910	1243.7
470	2.51	1.5992	1249.9	2.50	1.5986	1249.8	2.48	1.5980		2.47	1.5973	1249.5
480 490	2.54 2.58	1.6114	1255.6	2.53	1.6108	1255.5	2.52	1.6101	1255.4	2.51 2.54	1.6035	1255.2
	_			1		۱						
500	2.61	1.6173	1267.0	2.60	1.6167	1266.9	2.59	1.6160	1266.7	2.57	1.6154	1266.6
510	2.65 2.68	1.6231	1272.6	2.63 2.67	1.6225	1272.5	2.62	1.6218	1272.3	2.61	1.6212	1272.2
520 530	2.71	1.6344	1283.6	2.70	1.6338	1283.5	2.69	1.6332		2.67	1.6325	1283.3
540	2.75	1.6399	1289.1	2.73	1.6393	1289.0	2.72	1.6387		2.71	1.6381	1288.8
	0										_	<u></u>
550 560	2.78 2.81	1.6453	1294.6	2.77	1.6447	1294.5	2.75 2.79	1.6441	1294.4	2.74	1.6435	1294.3
570	2.85	1.6559	1305.4	2.83	1.6553	1305.3	2.82	1.6548	1305.2	2.80	1.6542	1305.1
580	2.88	1.6611	1310.8	2.86	1.6605	1310.7	2.85	1.6600	1310.6	2.84	1.6594	1310.5
590	2.91	1.6663	1316.1	2.90	1.6657	1316.1	2.88	1.6651	1316.0	2.87	1.6645	1315.9
600	2.94	1.6713	1321.5	2.93	1.6707	1321.4	2.91	1.6702	1321.3	2.90	1.6696	1321.2
650	3.10	1.6957	1347.9	3.09	1.6951	1347.8	3.07	1.6946	1347.7	3.06	1.6940	1347.7
700	3.25	1.7187	1374.0	3.24	1.7182	1374.0	3.22	1.7176		3.21	1.7171	1373.9
750	3.41	1.7407	1400.0	3.39	1.7401	1399.9	3.37	1.7396	1399.9	3.36	1.7390	1399.8
-												
		213 [387.2]			214 [387.6]			215 [388.0]			216 [388.4]	
Sat.	2.16	213 [387.2]	1199.1	2.15	214 [387.6]	1199.2	2.14	215 [388.0]	1199.2	2.13	216 [388.4]	1199.3
1		[387.2]			[387.6] 1.5396			[388.0] 1.5392			[388.4] 1.5388	
390	2.17	[387.2] 1.5400 1.5422	1200.9	2.16	[387.6] 1.5396 1.5414	1200.7	2.15	[388.0] 1.5392 1.5407	1200.5	2.13	[388.4] 1.5388 1.5400	1200.3
390 400	2.17	[387.2] 1.5400 1.5422 1.5496	1200.9	2.16 2.19	[387.6] 1.5396 1.5414 1.5489	1200.7	2.15 2.18	[388.0] [1.5392 [1.5407] [1.5482]	1200.5	2.13	[388-4] 1.5388 1.5400 1.5475	1200.3
390 400 410	2.17 2.21 2.24	[387.2] 1.5400 1.5422 1.5496 1.5568	1200.9 1207.3 1213.5	2.16 2.19 2.23	[387.6] 1.5396 1.5414 1.5489 1.5561	1200.7	2.15 2.18 2.22	[388.0] 1.5392 1.5407 1.5482 1.5554	1200.5 1206.9 1213.1	2.13 2.17 2.21	[388-4] 1.5388 1.5400 1.5475 1.5547	1200.3 1206.7 1212.9
390 400 410 420	2.17 2.21 2.24 2.28	[387.2] 1.5400 1.5422 1.5496 1.5568 1.5638	1200.9 1207.3 1213.5 1219.7	2.16 2.19 2.23 2.27	[387.6] 1.5396 1.5414 1.5489 1.5561 1.5631	1200.7 1207.1 1213.3 1219.5	2.15 2.18	[388.0] 1.5392 1.5407 1.5482 1.5554 1.5625	1200.5 1206.9 1213.1 1219.3	2.13	[388.4] 1.5388 1.5400 1.5475 1.5547 1.5618	1200.3 1206.7 1212.9 1219.1
390 400 410	2.17 2.21 2.24	[387.2] 1.5400 1.5422 1.5496 1.5568	1200.9 1207.3 1213.5	2.16 2.19 2.23	[387.6] 1.5396 1.5414 1.5489 1.5561	1200.7	2.15 2.18 2.22 2.26	[388.0] 1.5392 1.5407 1.5482 1.5554	1200.5 1206.9 1213.1	2.13 2.17 2.21 2.25	[388-4] 1.5388 1.5400 1.5475 1.5547	1200.3 1206.7 1212.9
390 400 410 420 430	2.17 2.21 2.24 2.28 2.32 2.35	[387.2] 1.5400 1.5422 1.5496 1.5568 1.5638 1.5707 1.5774	1200.9 1207.3 1213.5 1219.7 1225.7 1231.7	2.16 2.19 2.23 2.27 2.31 2.34	[387.6] 1.5396 1.5414 1.5489 1.5561 1.5631 1.5700 1.5767	1200.7 1207.1 1213.3 1219.5 1225.6 1231.6	2.15 2.18 2.22 2.26 2.29 2.33	[388.0] 1.5392 1.5407 1.5482 1.5554 1.5625 1.5694 1.5761	1200.5 1206.9 1213.1 1219.3 1225.4 1231.4	2.13 2.17 2.21 2.25 2.28 2.32	[388.4] 1.5388 1.5400 1.5475 1.5547 1.5618 1.5687 1.5754	1200.3 1206.7 1212.9 1219.1 1225.2 1231.2
390 400 410 420 430 440	2.17 2.21 2.24 2.28 2.32	[387.2] 1.5400 1.5422 1.5496 1.5568 1.5638 1.5707	1200.9 1207.3 1213.5 1219.7 1225.7	2.16 2.19 2.23 2.27 2.31	[387.6] 1.5396 1.5414 1.5489 1.5561 1.5631 1.5700	1200.7 1207.1 1213.3 1219.5 1225.6	2.15 2.18 2.22 2.26 2.29	[388.0] 1.5392 1.5407 1.5482 1.5554 1.5625 1.5694	1200.5 1206.9 1213.1 1219.3 1225.4	2.13 2.17 2.21 2.25 2.28	[388.4] 1.5388 1.5400 1.5475 1.5547 1.5618 1.5687	1200.3 1206.7 1212.9 1219.1 1225.2
390 400 410 420 430 440 450 460 470	2.17 2.21 2.24 2.28 2.32 2.35 2.39 2.42 2.46	[387.2] 1.5400 1.5422 1.5496 1.5568 1.5638 1.5707 1.5774 1.5840 1.5904 1.5967	1200.9 1207.3 1213.5 1219.7 1225.7 1231.7 1237.7 1243.6 1249.4	2.16 2.19 2.23 2.27 2.31 2.34 2.38 2.41 2.45	[387.6] 1.5396 1.5414 1.5489 1.5561 1.5631 1.5700 1.5767 1.5833 1.5897 1.5960	1200.7 1207.1 1213.3 1219.5 1225.6 1231.6 1237.5 1243.4 1249.2	2.15 2.18 2.22 2.26 2.29 2.33 2.36 2.40 2.43	[388.0] 1.5392 1.5407 1.5482 1.5554 1.5694 1.5761 1.5827 1.5891 1.5954	1200.5 1206.9 1213.1 1219.3 1225.4 1231.4 1243.3 1249.1	2.13 2.17 2.21 2.25 2.28 2.32 2.35 2.39 2.42	[388.4] 1.5388 1.5400 1.5475 1.5618 1.5687 1.5754 1.5820 1.5884 1.5947	1200.3 1206.7 1212.9 1219.1 1225.2 1231.2 1237.2 1243.1 1248.9
390 400 410 420 430 440 450 460 470 480	2.17 2.21 2.24 2.28 2.32 2.35 2.39 2.42 2.46 2.49	[387.2] 1.5400 1.5422 1.5568 1.5538 1.5707 1.5774 1.5840 1.5904 1.5967 1.6028	1200.9 1207.3 1213.5 1219.7 1225.7 1231.7 1237.7 1243.6 1249.4 1255.1	2.16 2.19 2.23 2.27 2.31 2.34 2.38 2.41 2.45 2.48	[387.6] 1.5396 1.5414 1.5489 1.5561 1.5700 1.5767 1.5833 1.5897 1.5960 1.6022	1200.7 1207.1 1213.3 1219.5 1225.6 1231.6 1237.5 1243.4 1249.2 1255.0	2.15 2.18 2.22 2.26 2.29 2.33 2.36 2.40 2.43 2.47	[388.0] 1.5392 1.5407 1.5482 1.5554 1.5625 1.5694 1.5761 1.5827 1.5891 1.5954 1.6015	1200.5 1206.9 1213.1 1219.3 1225.4 1231.4 1237.4 1243.3 1249.1 1254.8	2.13 2.17 2.21 2.25 2.28 2.32 2.35 2.39 2.42 2.46	[388.4] 1.5388 1.5400 1.5475 1.5547 1.5618 1.5687 1.5754 1.5820 1.5884 1.5947 1.6009	1200.3 1206.7 1212.9 1219.1 1225.2 1231.2 1237.2 1243.1 1248.9 1254.7
390 400 410 420 430 440	2.17 2.21 2.24 2.28 2.32 2.35 2.39 2.42 2.46	[387.2] 1.5400 1.5422 1.5496 1.5568 1.5638 1.5707 1.5774 1.5840 1.5904 1.5967	1200.9 1207.3 1213.5 1219.7 1225.7 1231.7 1237.7 1243.6 1249.4	2.16 2.19 2.23 2.27 2.31 2.34 2.38 2.41 2.45	[387.6] 1.5396 1.5414 1.5489 1.5561 1.5631 1.5700 1.5767 1.5833 1.5897 1.5960	1200.7 1207.1 1213.3 1219.5 1225.6 1231.6 1237.5 1243.4 1249.2	2.15 2.18 2.22 2.26 2.29 2.33 2.36 2.40 2.43	[388.0] 1.5392 1.5407 1.5482 1.5554 1.5694 1.5761 1.5827 1.5891 1.5954	1200.5 1206.9 1213.1 1219.3 1225.4 1231.4 1237.4 1243.3 1249.1 1254.8	2.13 2.17 2.21 2.25 2.28 2.32 2.35 2.39 2.42	[388.4] 1.5388 1.5400 1.5475 1.5618 1.5687 1.5754 1.5820 1.5884 1.5947	1200.3 1206.7 1212.9 1219.1 1225.2 1231.2 1237.2 1243.1 1248.9
390 410 410 420 430 440 450 460 470 480 490	2.17 2.21 2.24 2.28 2.32 2.35 2.39 2.42 2.46 2.49 2.53	[387.2] 1.5400 1.5422 1.5568 1.5568 1.5707 1.5774 1.5840 1.5904 1.5904 1.6028 1.6089 1.6148	1200.9 1207.3 1213.5 1219.7 1225.7 1231.7 1237.7 1243.6 1249.4 1255.1 1260.8	2.16 2.19 2.23 2.27 2.31 2.34 2.38 2.41 2.45 2.48 2.51	[387.6] 1.5396 1.5414 1.5489 1.5561 1.5760 1.5767 1.5833 1.5897 1.5960 1.6022 1.6082	1200.7 1207.1 1213.3 1219.5 1225.6 1231.6 1237.5 1243.4 1249.2 1255.0 1260.7	2.15 2.18 2.22 2.26 2.29 2.33 2.36 2.40 2.43 2.47 2.50	[388.0] 1.5392 1.5407 1.5482 1.5554 1.5625 1.5694 1.5761 1.5827 1.5891 1.5954 1.6015 1.6076 1.6136	1200.5 1206.9 1213.1 1219.3 1225.4 1231.4 1237.4 1243.3 1249.1 1254.8 1260.5	2.13 2.17 2.21 2.25 2.28 2.32 2.35 2.39 2.42 2.46 2.49	[388.4] 1.5388 1.5400 1.5475 1.5547 1.5618 1.5687 1.5754 1.5884 1.5947 1.6009 1.6070 1.6129	1200.3 1206.7 1212.9 1219.1 1225.2 1231.2 1237.2 1243.1 1248.9 1254.7 1260.4
390 410 410 420 430 440 450 460 470 480 490 500 510	2.17 2.21 2.24 2.28 2.32 2.35 2.39 2.42 2.46 2.49 2.53 2.56 2.59	[387.2] 1.5400 1.5422 1.5496 1.5568 1.5638 1.5707 1.5774 1.5840 1.5904 1.5904 1.6089 1.6148 1.6206	1200.9 1207.3 1213.5 1219.7 1225.7 1231.7 1237.7 1243.6 1249.4 1255.1 1260.8	2.16 2.19 2.23 2.27 2.31 2.34 2.38 2.41 2.45 2.48 2.51 2.55 2.58	[387.6] 1.5396 1.5414 1.5489 1.5561 1.5760 1.5760 1.5833 1.58960 1.6022 1.6082 1.6142 1.6142	1200.7 1207.1 1213.3 1219.5 1225.6 1231.6 1237.5 1243.4 1249.2 1255.0 1260.7	2.15 2.18 2.22 2.26 2.29 2.33 2.36 2.40 2.43 2.47 2.50	[388.0] 1.5392 1.5407 1.5482 1.5554 1.5625 1.5694 1.5761 1.5827 1.5891 1.5076 1.6136 1.6194	1200.5 1206.9 1213.1 1219.3 1225.4 1231.4 1237.4 1243.3 1249.1 1254.8 1260.5	2.13 2.17 2.21 2.25 2.28 2.32 2.35 2.42 2.46 2.49 2.52 2.56	1.5400 1.5475 1.5547 1.5618 1.5687 1.5754 1.5754 1.5754 1.5820 1.5884 1.5947 1.6009 1.6070 1.6129 1.6188	1200.3 1206.7 1212.9 1219.1 1225.2 1231.2 1237.2 1243.1 1248.9 1254.7 1260.4
390 410 410 420 430 440 450 460 470 480 490 510 520	2.17 2.21 2.24 2.28 2.32 2.35 2.39 2.42 2.46 2.49 2.53 2.56 2.59 2.63	[387.2] 1.5400 1.5422 1.5496 1.5568 1.5638 1.5707 1.5774 1.5840 1.5904 1.5968 1.6028 1.6028 1.6266 1.6263	1200.9 1207.3 1213.5 1219.7 1225.7 1231.7 1237.7 1243.6 1249.4 1255.1 1260.8	2.16 2.19 2.23 2.27 2.31 2.34 2.41 2.45 2.48 2.51 2.55 2.58 2.61	[387.6] 1.5396 1.5414 1.5489 1.5561 1.5760 1.5767 1.5833 1.5897 1.5962 1.6022 1.6082	1200.7 1207.1 1213.3 1219.5 1225.6 1231.6 1237.5 1243.4 1249.2 1255.0 1260.7	2.15 2.18 2.22 2.26 2.29 2.33 2.36 2.40 2.43 2.47 2.50	[388.0] 1.5392 1.5407 1.5482 1.5554 1.5625 1.5694 1.5761 1.5827 1.5891 1.5954 1.6076 1.6136 1.6194 1.6251	1200.5 1206.9 1213.1 1219.3 1225.4 1231.4 1237.4 1249.1 1254.8 1260.5	2.13 2.17 2.21 2.25 2.28 2.32 2.32 2.39 2.42 2.46 2.49	[388.4] 1.5388 1.5400 1.5475 1.5547 1.5618 1.5687 1.5754 1.5820 1.5884 1.5947 1.6009 1.6070 1.6129 1.6188 1.6145	1200.3 1206.7 1212.9 1219.1 1225.2 1231.2 1237.2 1248.9 1254.7 1260.4
390 410 410 420 430 440 450 460 470 480 490 510 520 530	2.17 2.21 2.24 2.28 2.32 2.35 2.39 2.42 2.46 2.49 2.53 2.56 2.59 2.63 2.66	[387.2] 1.5400 1.5422 1.5496 1.5568 1.5638 1.5707 1.5774 1.5840 1.5904 1.5904 1.6028 1.6028 1.6028 1.6026 1.6148 1.6206 1.6203 1.6203 1.6203	1200.9 1207.3 1213.5 1219.7 1225.7 1237.7 1243.6 1249.4 1255.1 1260.8 1266.5 1277.7 1283.2	2.16 2.19 2.23 2.27 2.31 2.34 2.38 2.41 2.45 2.48 2.51 2.55 2.58 2.61 2.65	[387.6] 1.5396 1.5414 1.5489 1.5561 1.5767 1.5833 1.5897 1.5962 1.6082 1.6082 1.6142 1.6257 1.6313	1200.7 1207.1 1213.3 1219.5 1225.6 1237.5 1243.4 1249.2 1255.0 1260.7 1266.4 1277.5 1277.5 1283.1	2.15 2.18 2.22 2.26 2.29 2.33 2.36 2.40 2.43 2.47 2.50 2.54 2.57 2.60 2.64	[388.0] 1.5392 1.5407 1.5482 1.5554 1.5625 1.5694 1.5761 1.5827 1.5891 1.5954 1.6015 1.6015 1.6194 1.6251 1.6307	1200.5 1206.9 1213.1 1219.3 1225.4 1231.4 1237.4 1243.3 1249.1 1254.8 1260.5 1266.2 1271.9 1277.4 1283.0	2.13 2.17 2.21 2.25 2.28 2.32 2.35 2.39 2.42 2.46 2.49 2.52 2.56 2.59 2.62	[388.4] 1.5388 1.5400 1.5475 1.5547 1.5618 1.5687 1.5754 1.5820 1.5884 1.5947 1.6009 1.6070 1.6188 1.6145 1.6301	1200.3 1206.7 1212.9 1219.1 1225.2 1231.2 1237.2 1243.1 1254.9 1250.4 1260.4 1260.1 1271.7 1277.3 1282.9
390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540	2.17 2.21 2.24 2.28 2.32 2.35 2.39 2.42 2.46 2.49 2.53 2.56 2.59 2.63 2.66 2.69	[387.2] 1.5400 1.5422 1.5563 1.5563 1.5707 1.5774 1.5840 1.5904 1.6089 1.6148 1.6206 1.6263 1.6319 1.6375	1200.9 1207.3 1213.5 1219.7 1225.7 1231.7 1237.7 1243.6 1249.4 1255.1 1260.8 1266.5 1272.1 1277.7 1283.2 1288.7	2.16 2.19 2.23 2.27 2.31 2.34 2.41 2.45 2.48 2.51 2.55 2.58 2.61	[387.6] 1.5396 1.5414 1.5489 1.5561 1.5767 1.5833 1.5897 1.5960 1.6022 1.6082 1.6142 1.6200 1.6257 1.6313 1.6369	1200.7 1207.1 1213.3 1219.5 1225.6 1231.6 1237.5 1243.4 1249.2 1255.0 1260.7	2.15 2.18 2.22 2.26 2.29 2.33 2.36 2.40 2.43 2.47 2.50 2.54 2.57 2.60 2.64 2.67	[388.0] 1.5392 1.5407 1.5482 1.5554 1.5625 1.5694 1.5761 1.5827 1.5891 1.6076 1.6136 1.6194 1.6251 1.6363	1200.5 1206.9 1213.1 1219.3 1225.4 1231.4 1237.4 1249.1 1254.8 1260.5	2.13 2.17 2.21 2.25 2.28 2.32 2.35 2.39 2.42 2.46 2.49 2.52 2.56 2.59 2.65	1.5388 1.5400 1.5475 1.5547 1.5618 1.5687 1.5754 1.5754 1.5820 1.5884 1.5947 1.6009 1.6188 1.6145 1.6301 1.6357	1200.3 1206.7 1212.9 1219.1 1225.2 1231.2 1237.2 1248.9 1254.7 1260.4
390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540	2.17 2.21 2.24 2.28 2.32 2.35 2.39 2.42 2.46 2.49 2.53 2.56 2.69 2.73	[387.2] 1.5400 1.5422 1.5496 1.5568 1.5707 1.5774 1.5840 1.5967 1.6028 1.6028 1.6028 1.6263 1.6319 1.6375 1.6429	1200.9 1207.3 1213.5 1219.7 1225.7 1231.7 1237.7 1243.6 1249.4 1255.1 1260.8 1266.5 1272.1 1277.7 1283.2 1288.7	2.16 2.19 2.23 2.27 2.31 2.34 2.45 2.48 2.51 2.55 2.68 2.65 2.68	[387.6] 1.5396 1.5414 1.5489 1.5561 1.5760 1.5767 1.5833 1.5897 1.5960 1.6022 1.6082 1.6142 1.6200 1.6257 1.6313 1.6369	1200.7 1207.1 1213.3 1219.5 1225.6 1231.6 1237.5 1243.4 1249.2 1255.0 1260.7 1266.4 1272.0 1277.5 1283.1 1288.6 1294.1	2.15 2.18 2.22 2.26 2.29 2.33 2.36 2.40 2.43 2.47 2.50 2.54 2.57 2.60 2.64 2.67	[388.0] 1.5392 1.5407 1.5482 1.5554 1.5625 1.5694 1.5761 1.5827 1.5891 1.6076 1.6136 1.6194 1.6251 1.6363 1.6417	1200.5 1206.9 1213.1 1219.3 1225.4 1231.4 1243.3 1249.1 1254.8 1260.5 1266.2 1271.9 1277.4 1283.0 1288.5	2.13 2.17 2.21 2.25 2.28 2.32 2.35 2.39 2.42 2.46 2.49 2.52 2.56 2.59 2.62 2.65 2.69	1.5388 1.5400 1.5475 1.5547 1.5618 1.5687 1.5754 1.5754 1.5820 1.5884 1.5984 1.6009 1.6070 1.6129 1.6188 1.6145 1.6301 1.6357	1200.3 1206.7 1212.9 1219.1 1225.2 1237.2 1243.1 1248.9 1254.7 1260.4 1266.1 1271.7 1277.3 1282.9 1288.4
390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 560 560	2.17 2.21 2.24 2.28 2.32 2.35 2.39 2.42 2.46 2.49 2.53 2.56 2.59 2.66 2.69 2.73 2.76	[387.2] 1.5400 1.5422 1.5496 1.5568 1.5707 1.5774 1.5840 1.5904 1.5904 1.6028 1.6028 1.6028 1.6026 1.6263 1.6375 1.6375	1200.9 1207.3 1213.5 1219.7 1225.7 1231.7 1237.7 1243.6 1249.4 1255.1 1260.8 1266.5 1272.1 1277.7 1283.2 1288.7	2.16 2.19 2.23 2.27 2.31 2.34 2.41 2.45 2.48 2.51 2.55 2.68 2.65 2.68	[387.6] 1.5396 1.5414 1.5489 1.5561 1.5760 1.5767 1.5833 1.5897 1.5960 1.6022 1.6082 1.6042 1.6257 1.6369 1.6369 1.6423 1.6423 1.6427	1200.7 1207.1 1213.3 1219.5 1225.6 1231.6 1237.5 1243.4 1249.2 1255.0 1260.7 1266.4 1277.5 1283.1 1288.6 1294.1 1299.5	2.15 2.18 2.22 2.26 2.29 2.33 2.36 2.40 2.43 2.47 2.50 2.54 2.57 2.60 2.64 2.67	[388.0] 1.5392 1.5407 1.5482 1.5554 1.5625 1.5694 1.5761 1.5827 1.5891 1.5955 1.6076 1.6136 1.6136 1.6251 1.6307 1.6363	1200.5 1206.9 1213.1 1219.3 1225.4 1231.4 1237.4 1243.3 1249.1 1254.8 1260.5 1266.2 1271.9 1277.4 1283.0 1288.5	2.13 2.17 2.21 2.25 2.28 2.32 2.35 2.39 2.42 2.46 2.49 2.52 2.56 2.59 2.62 2.65	1.5388 1.5400 1.5475 1.5547 1.5568 1.5687 1.5754 1.5820 1.5884 1.5984 1.5984 1.6009 1.6070 1.6129 1.6188 1.6145 1.6301 1.6357	1200.3 1206.7 1212.9 1219.1 1225.2 1231.2 1237.2 1243.1 1254.7 1260.4 1266.1 1271.7 1277.3 1282.9 1288.4
390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 550 550	2.17 2.21 2.24 2.28 2.32 2.35 2.39 2.42 2.46 2.49 2.53 2.56 2.59 2.66 2.69 2.73 2.76 2.79	[387.2] 1.5400 1.5422 1.5496 1.5568 1.5707 1.5774 1.5840 1.5904 1.5904 1.5908 1.6028 1.6028 1.6263 1.6263 1.6329 1.6375	1200.9 1207.3 1213.5 1219.7 1225.7 1231.7 1237.7 1243.6 1249.4 1255.1 1260.8 1266.5 1272.1 1277.7 1283.2 1288.7	2.16 2.19 2.23 2.27 2.31 2.34 2.45 2.45 2.48 2.51 2.55 2.58 2.66 2.65 2.68	[387.6] 1.5396 1.5414 1.5489 1.5561 1.5767 1.5833 1.5897 1.5960 1.6022 1.6082 1.6142 1.6257 1.6313 1.6369	1200.7 1207.1 1213.3 1219.5 1225.6 1237.5 1243.4 1249.2 1255.0 1260.4 1277.5 1283.1 1288.6 1294.1 1299.5 1304.9	2.15 2.18 2.22 2.26 2.29 2.33 2.36 2.40 2.43 2.47 2.50 2.54 2.57 2.60 2.64 2.67	[388.0] 1.5392 1.5407 1.5482 1.5554 1.5625 1.5694 1.5761 1.5827 1.5891 1.5954 1.6015 1.6251 1.6363 1.6417 1.6363	1200.5 1206.9 1213.1 1219.3 1225.4 1231.4 1237.4 1243.3 1249.1 1254.8 1260.5 1277.4 1283.0 1288.5	2.13 2.17 2.21 2.25 2.28 2.32 2.35 2.39 2.42 2.42 2.46 2.52 2.56 2.59 2.62 2.65 2.69 2.72 2.75	1.5388 1.5400 1.5475 1.5547 1.5548 1.5688 1.5754 1.5884 1.5947 1.6009 1.6070 1.6188 1.6145 1.6357 1.6357	1200.3 1206.7 1212.9 1219.1 1225.2 1231.2 1237.2 1243.1 1244.9 1254.7 1260.4 1271.7 1277.3 1282.9 1288.4 1293.9 1299.3 1304.8
390 400 410 420 430 440 450 460 470 480 500 510 5530 5540 5560 5570 5580	2.17 2.21 2.24 2.28 2.32 2.35 2.39 2.42 2.46 2.49 2.53 2.56 2.59 2.66 2.69 2.73 2.76	[387.2] 1.5400 1.5422 1.5496 1.5568 1.5707 1.5774 1.5840 1.5904 1.5904 1.6028 1.6028 1.6028 1.6026 1.6263 1.6375 1.6375	1200.9 1207.3 1213.5 1219.7 1225.7 1231.7 1237.7 1243.6 1249.4 1255.1 1260.8 1266.5 1272.1 1277.7 1283.2 1288.7	2.16 2.19 2.23 2.27 2.31 2.34 2.41 2.45 2.48 2.51 2.55 2.68 2.65 2.68	[387.6] 1.5396 1.5414 1.5489 1.5561 1.5760 1.5767 1.5833 1.5897 1.5960 1.6022 1.6082 1.6042 1.6257 1.6369 1.6369 1.6423 1.6423 1.6427	1200.7 1207.1 1213.3 1219.5 1225.6 1231.6 1237.5 1243.4 1249.2 1255.0 1260.7 1266.4 1277.5 1283.1 1288.6 1294.1 1299.5	2.15 2.18 2.22 2.26 2.29 2.33 2.36 2.40 2.43 2.47 2.50 2.54 2.57 2.60 2.64 2.67	[388.0] 1.5392 1.5407 1.5482 1.5554 1.5625 1.5694 1.5761 1.5827 1.5891 1.5955 1.6076 1.6136 1.6136 1.6251 1.6307 1.6363	1200.5 1206.9 1213.1 1219.3 1225.4 1231.4 1237.4 1243.3 1249.1 1254.8 1260.5 1266.2 1271.9 1277.4 1283.0 1288.5	2.13 2.17 2.21 2.25 2.28 2.32 2.35 2.39 2.42 2.46 2.49 2.52 2.56 2.59 2.62 2.65	1.5388 1.5400 1.5475 1.5547 1.5568 1.5687 1.5754 1.5820 1.5884 1.5984 1.5984 1.6009 1.6070 1.6129 1.6188 1.6145 1.6301 1.6357	1200.3 1206.7 1212.9 1219.1 1225.2 1231.2 1237.2 1243.1 1254.7 1260.4 1266.1 1271.7 1277.3 1282.9 1288.4
390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 660 570 580	2.17 2.21 2.24 2.28 2.32 2.35 2.39 2.42 2.46 2.49 2.53 2.56 2.59 2.63 2.66 2.69 2.73 2.76 2.79 2.82 2.85	[387.2] 1.5400 1.5422 1.5496 1.5568 1.5707 1.5774 1.5840 1.5904 1.5904 1.6228 1.6028 1.6263 1.6319 1.6375 1.6429 1.6483 1.6536 1.6536 1.6536 1.6536	1200.9 1207.3 1213.5 1219.7 1225.7 1231.7 1237.7 1243.6 1249.4 1255.1 1260.8 1266.5 1272.1 1277.7 1283.2 1288.7 1294.6 1305.0 1310.4 1315.8	2.16 2.19 2.23 2.27 2.31 2.34 2.38 2.41 2.45 2.51 2.558 2.61 2.65 2.68 2.71 2.74 2.78 2.81 2.84	[387.6] 1.5396 1.5414 1.5489 1.5561 1.5767 1.5833 1.5897 1.5962 1.6082 1.6220 1.6257 1.6313 1.6369 1.6423 1.6423 1.6423 1.6433	1200.7 1207.1 1213.3 1219.5 1225.6 1231.6 1237.5 1243.4 1249.2 1255.0 1260.7 1266.4 1277.5 1283.1 1298.6 1294.1 1299.5 1304.9 1310.3 1315.7	2.15 2.18 2.22 2.26 2.29 2.33 2.36 2.40 2.47 2.50 2.54 2.57 2.60 2.64 2.67 2.70 2.73 2.76 2.80 2.80	[388.0] 1.5392 1.5407 1.5482 1.5554 1.5625 1.5694 1.5761 1.5827 1.5891 1.6076 1.6136 1.6194 1.6251 1.6367 1.6363 1.6477 1.6471 1.6524 1.6576 1.6628	1200.5 1206.9 1213.1 1219.3 1225.4 1231.4 1237.4 1249.1 1254.8 1260.5 1266.2 1271.9 1277.4 1283.0 1288.5 1294.0 1299.4 1304.9 1310.3 1315.6	2.13 2.17 2.21 2.25 2.28 2.32 2.35 2.39 2.42 2.46 2.56 2.59 2.62 2.65 2.72 2.75 2.78 2.81	[388.4] 1.5388 1.5400 1.5475 1.5547 1.5618 1.5687 1.5754 1.5820 1.5847 1.6009 1.6070 1.6129 1.6145 1.6301 1.6357 1.6465 1.6518 1.6570 1.6622	1200.3 1206.7 1212.9 1219.1 1225.2 1237.2 1248.9 1254.7 1260.4 1266.1 1271.7 1277.3 1282.9 1288.4 1293.9 1299.3 1304.8 1310.2 1315.5
390 400 410 420 430 440 460 470 480 470 500 5510 5520 5530 5540 560 5590 600	2.17 2.21 2.24 2.28 2.32 2.35 2.39 2.42 2.46 2.49 2.53 2.56 2.59 2.66 2.69 2.73 2.76 2.79 2.82 2.85 2.88	[387.2] 1.5400 1.5422 1.5496 1.5568 1.5638 1.5707 1.5774 1.5840 1.5904 1.6286 1.6028 1.6028 1.6028 1.6028 1.6026 1.6375 1.6429 1.6429 1.6429 1.6536 1.6536 1.6536 1.6588 1.6639 1.6690	1200.9 1207.3 1213.5 1219.7 1225.7 1231.7 1237.7 1243.6 1249.4 1255.1 1260.8 1266.5 1272.1 1277.7 1283.2 1288.7 1294.2 1299.6 1305.0 1310.4 1315.8	2.16 2.19 2.23 2.27 2.31 2.34 2.38 2.41 2.45 2.48 2.51 2.55 2.68 2.71 2.74 2.78 2.81 2.84 2.87	1.5396 1.5414 1.5489 1.5561 1.5767 1.5833 1.5897 1.5962 1.6082 1.6022 1.6023 1.6369 1.6369 1.6423 1.6427 1.6530 1.6530 1.6682 1.6683	1200.7 1207.1 1213.3 1219.5 1225.6 1231.6 1237.5 1243.4 1249.2 1255.0 1260.7 1266.4 1277.5 1283.1 1277.5 1283.1 1299.5 1304.9 1310.3 1315.7 1321.1	2.15 2.18 2.22 2.26 2.29 2.33 2.36 2.40 2.43 2.47 2.50 2.64 2.57 2.60 2.64 2.67 2.70 2.80 2.80 2.83 2.86	[388.0] 1.5392 1.5407 1.5482 1.5554 1.5625 1.5694 1.5761 1.5827 1.5891 1.60515 1.6076 1.6136 1.6136 1.6251 1.6367 1.6363 1.6417 1.6524 1.6576 1.6628 1.6678	1200.5 1206.9 1213.1 1219.3 1225.4 1231.4 1237.4 1243.3 1244.3 1254.8 1260.5 1271.9 1277.4 1283.0 1288.5 1294.0 1299.4 1304.9 1310.3 1315.6 1321.0	2.13 2.17 2.21 2.25 2.28 2.32 2.39 2.46 2.49 2.52 2.56 2.65 2.65 2.62 2.72 2.75 2.78 2.81	1.5388 1.5400 1.5475 1.5547 1.5568 1.5687 1.5754 1.5820 1.5884 1.5984 1.6009 1.6070 1.6188 1.6145 1.6357 1.6465 1.6518 1.6570 1.6622 1.6622 1.6673	1200.3 1206.7 1212.9 1219.1 1225.2 1237.2 1243.1 1244.7 1260.4 1266.1 1277.3 1282.9 1282.9 1293.9 1299.3 1304.8 1310.2 1315.5 1320.9
390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 550 600 650	2.17 2.21 2.24 2.28 2.32 2.35 2.39 2.42 2.46 2.49 2.53 2.56 2.59 2.66 2.73 2.76 2.79 2.82 2.85 2.88 3.04	[387.2] 1.5400 1.5422 1.5496 1.5568 1.5707 1.5774 1.5840 1.5904 1.5904 1.6228 1.6028 1.6263 1.6319 1.6375 1.6429 1.6483 1.6536 1.6536 1.6536 1.6536	1200.9 1207.3 1213.5 1219.7 1225.7 1231.7 1237.7 1243.6 1249.4 1255.1 1260.8 1277.7 1283.2 1288.7 1299.6 1305.0 1310.4 1315.8 1321.2 1347.6	2.16 2.19 2.23 2.27 2.31 2.34 2.38 2.41 2.45 2.51 2.558 2.61 2.65 2.68 2.71 2.74 2.78 2.81 2.84	[387.6] 1.5396 1.5414 1.5489 1.5561 1.5767 1.5833 1.5897 1.5962 1.6082 1.6220 1.6257 1.6313 1.6369 1.6423 1.6423 1.6423 1.6433	1200.7 1207.1 1213.3 1219.5 1225.6 1237.5 1243.4 1249.2 1255.0 1266.4 1277.5 1283.1 1288.6 1294.1 1299.5 1304.9 1310.3 1315.7	2.15 2.18 2.22 2.26 2.29 2.33 2.36 2.40 2.47 2.50 2.54 2.57 2.60 2.64 2.67 2.70 2.73 2.76 2.80 2.80	[388.0] 1.5392 1.5407 1.5482 1.5554 1.5625 1.5694 1.5761 1.5827 1.5891 1.5954 1.6015 1.6015 1.6251 1.6363 1.6417 1.6471 1.6524 1.6576 1.6628 1.6678	1200.5 1206.9 1213.1 1219.3 1225.4 1237.4 1243.3 1249.1 1254.8 1266.2 1277.9 1277.4 1283.0 1288.5 1294.0 1304.9 1310.3 1315.6 1321.0 1347.5	2.13 2.17 2.21 2.25 2.28 2.32 2.35 2.39 2.42 2.46 2.56 2.59 2.62 2.65 2.72 2.75 2.78 2.81	[388.4] 1.5388 1.5400 1.5475 1.5547 1.5618 1.5687 1.5754 1.5820 1.5847 1.6009 1.6070 1.6129 1.6145 1.6301 1.6357 1.6465 1.6518 1.6570 1.6622	1200.3 1206.7 1212.9 1219.1 1225.2 1231.2 1237.2 1243.1 1244.9 1254.7 1260.4 1260.4 1271.7 1282.9 1288.4 1293.9 1304.8 1310.2 1315.5 1320.9 1347.4
390 400 410 420 430 440 460 470 480 490 510 520 530 540 550	2.17 2.21 2.24 2.28 2.32 2.35 2.39 2.42 2.46 2.49 2.53 2.56 2.59 2.66 2.69 2.73 2.76 2.79 2.82 2.85 2.88	[387.2] 1.5400 1.5422 1.5496 1.5568 1.5638 1.5707 1.5840 1.5904 1.5904 1.5908 1.6028 1.6028 1.6263 1.6326 1.6329 1.6429 1.6483 1.6536 1.6588 1.6536 1.6588 1.6536 1.6588 1.6536 1.6588 1.6536 1.6536 1.6536 1.6536 1.6536	1200.9 1207.3 1213.5 1219.7 1225.7 1231.7 1243.6 1249.4 1255.1 1260.8 1266.5 1272.1 1277.7 1283.2 1298.7 1294.2 1305.0 1310.4 1315.8	2.16 2.19 2.23 2.27 2.31 2.34 2.38 2.41 2.45 2.51 2.55 2.58 2.61 2.65 2.68 2.71 2.74 2.78 2.81 2.84 2.87 3.03	1.5396 1.5414 1.5489 1.5561 1.5767 1.5833 1.5897 1.5980 1.6022 1.6082 1.6142 1.6257 1.6369 1.6423	1200.7 1207.1 1213.3 1219.5 1225.6 1231.6 1237.5 1243.4 1249.2 1255.0 1260.7 1266.4 1277.5 1283.1 1277.5 1283.1 1299.5 1304.9 1310.3 1315.7 1321.1	2.15 2.18 2.22 2.26 2.29 2.33 2.36 2.40 2.43 2.47 2.50 2.54 2.57 2.60 2.64 2.67 2.70 2.70 2.80 2.80 2.83 2.86 3.01	[388.0] 1.5392 1.5407 1.5482 1.5554 1.5625 1.5694 1.5761 1.5827 1.5891 1.60515 1.6076 1.6136 1.6136 1.6251 1.6367 1.6363 1.6417 1.6524 1.6576 1.6628 1.6678	1200.5 1206.9 1213.1 1219.3 1225.4 1231.4 1237.4 1249.1 1254.8 1260.5 1266.2 1277.4 1283.0 1298.5 1299.4 1304.9 1310.3 1315.6 1321.0 1347.5 1373.7	2.13 2.17 2.21 2.25 2.28 2.32 2.35 2.39 2.42 2.46 2.49 2.52 2.62 2.62 2.72 2.75 2.78 2.81 2.84 3.00	1.5388 1.5400 1.5475 1.5547 1.5548 1.5687 1.5754 1.5880 1.5884 1.5947 1.6009 1.6070 1.6188 1.6145 1.6357 1.6465 1.6357 1.6465 1.6570 1.6622 1.6673 1.6673	1200.3 1206.7 1212.9 1219.1 1225.2 1237.2 1243.1 1248.9 1260.4 1271.7 1277.3 1282.9 1288.4 1293.9 1299.3 1304.8 1310.2 1315.5 1320.9

Pres- sure		217 [368.8]			218 [369.2]			219 [369.6]			220 [390.0]	
Temp	7	8	i	▼		i	▼	=	i	▼	•	i
Sat.	2.12	1.5384	1199.3	2.11	1.5380	1199.4	2.10	1.5376	1199.4	2.09	1.5372	1199.5
400	2.16	1.5468	1206.5	2.15	1.5461	1206.3	2.14	1.5454	1206.1		1.5447	1205.9
410	2.20	1.5540	1212.8	2.19		1212.6	2.18	1.5527	1212.4	2.17	1.5520	1212.2
420	2.24	1.5611	1219.0		1.5605	1218.8	2.21	1.5598	1218.6	2.20	1.5591	1218.4
430	2.27	1.5680	1225.1	2.26	1.5674	1224.9	2.25	1.5667	1224.7		1.5660	1224.5
	2.30	1-5747	1231.1	2.29	1.5741	1230.9	2.28	1.5734	1230.8	2.27	1.5728	1230.6
450	2.34	1.5813	1237.1	2.33	1.5807	1236.9	2.32	1.5801	1236.8	2.31	1.5794	1236.6
460	2.37	1.5878	1243.0	2.36		1242.8	2.35	1.5865	1242.7	2.34	1.5859	1242.5
470	2.41	1.5941	1248.8	2.40		1248.6	2.39	1.5928	1248.5	2.38	1.5922	1248.4
490 490	2.44 2.48	1.6003 1.6064	1254.6 1260.3	2.43 2.47		1254.4	2.42 2.45	1.5990	1254.3 1260.0	2.4I 2.44	1.5984 1.6045	1254.2 1259.9
-		_			ا ما	ا م		ا ما	ا ۽ ا			
500		1.6123	1266.0	2.50	1.6117	1265.9	2.49	1.6111	1265.7	2.47	1.6105	1265.6
510	2.54	1.6182	1271.6	2.53	1.6175		2.52	1.6169	1271.4	2.51	1.6163	1271.3
-	2.58	1.6239	1277.2	2.56		1277.1	2.55	1.6227	1277.0	2.54	1.6221	1276.9
530	2.61 2.64	1.6295	1288.3	2.63	1.6289		2.58 2.62	1.6339	1288.1	2.57 2.60	1.6277	1282.5 1288.0
540	2.04	1.6351	1200.3	2.03	1.6345	1200.2	2.02	1.0339	1200.1	2.00	1.0333	1200.0
550	2.67	1.6405	1293.8	2.66	1.6399		2.65	1.6394	1293.6	2.64	1.6388	1293.5
560	2.71	1.6459	1299.2	2.69	1.6453	1299.1		1.6448	1299.1	2.67	1.6442	1299.0
570	2.74	1.6512	1304.7	2.72	1.6506	1304.6	2.71	1.6501	1304.5	2.70	1.6495	1304.4
580		1.6564	1310.1	2.76	1.6558	1310.0		1.6553	1309.9	2.73	1.6547	1309.8
590	2.80	1.6616	1315.5	2.79	1.6610	1315.4	2.77	1.6605 	1315.3	2.76	1.6599	1315.2
	_	1.6667	1320.8	2.82	1.6661	1320.7	2.80	1.6656	1320.7	2.79	1.6650	1320.6
600	2.83					1347.3	2.95	1.6901	1347.2	2.94	1.6895	1347.1
600 650	2.83 2.98	1.6912	1347.3	2.97	1.6906							
- 1			1347.3 1373.6	2.97 3.12	1.7137	1373.5	3.10	1.7132	1373.5	3.09	1.7126	1373-4
650 700 750	2.98	1.6912		3.12	1.7137			1.7132	1373.5 1399.5	3.09 3.24	1.7126	1399.5
650 700	2.98 3.13	1.6912	1373.6	3.12	1.7137	1373.5	3.10	1.7132				
650 700 750	2.98 3.13 3.28	1.6912 1.7143 1.7363 1.7573	1373.6 1399.6	3.12	1.7137 1.7357 1.7568	1373.5 1399.6	3.10 3.25	1.7132 1.7352 1.7562	1399.5	3.24	1.7346 1.7557	1399.5
650 700 750 800	2.98 3.13 3.28 3.42	1.6912 1.7143 1.7363 1.7573 221 [3903]	1373.6 1399.6 1425.6	3.12 3.27 3.41	1.7137 1.7357 1.7568 222 [390.7]	1373.5 1399.6 1425.5	3.10 3.25 3.39	1.7132 1.7352 1.7562 223 [391.1]	1399.5	3.24 3.38	1.7346 1.7557 224 [391.5]	1399.5 1425.5
650 700 750 800 Sat.	2.98 3.13 3.28 3.42	1.6912 1.7143 1.7363 1.7573	1373.6 1399.6	3.12	1.7137 1.7357 1.7568	1373.5 1399.6	3.10 3.25	1.7132 1.7352 1.7562	1399.5	3.24	1.7346 1.7557	1399.5
650 700 750 800 Sat.	2.98 3.13 3.28 3.42 2.08	1.6912 1.7143 1.7363 1.7573 221 [3903] 1.5368	1373.6 1399.6 1425.6	3.12 3.27 3.41 2.07	1.7137 1.7357 1.7568 222 [390.7] 1.5364 1.5433	1373.5 1399.6 1425.5	3.10 3.25 3.39 2.06	1.7132 1.7352 1.7562 223 [391.1] 1.5360 1.5427	1399.5 1425.5 1199.6 1205.3	3.24 3.38 2.05 2.09	1.7346 1.7557 224 [391.5] 1.5356 1.5420	1199.7
650 700 750 800 Sat. 400	2.98 3.13 3.28 3.42 2.08	1.6912 1.7143 1.7363 1.7573 221 [3903] 1.5368 1.5440 1.5513	1373.6 1399.6 1425.6 1199.5 1205.7 1212.0	3.12 3.27 3.41 2.07 2.11 2.14	1.7137 1.7357 1.7568 222 [390.7] 1.5364 1.5433 1.5507	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8	3.10 3.25 3.39 2.06 2.10 2.13	1.7132 1.7352 1.7562 223 [391.1] 1.5360 1.5427 1.5500	1399.5 1425.5 1199.6 1205.3 1211.6	2.05 2.09 2.12	1.7346 1.7557 224 [391.5] 1.5356 1.5420 1.5493	1399.5 1425.5 1199.7 1205.1 1211.4
650 700 750 800 Sat. 400 410 420	2.98 3.13 3.28 3.42 2.08 2.12 2.15 2.19	1.6912 1.7143 1.7363 1.7573 221 [3903] 1.5368 1.5440 1.5513 1.5584	1373.6 1399.6 1425.6 1199.5 1205.7 1212.0 1218.2	3.12 3.27 3.41 2.07 2.11 2.14 2.18	1.7137 1.7357 1.7568 222 [390.7] 1.5364 1.5433 1.5507 1.5578	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8 1218.0	3.10 3.25 3.39 2.06 2.10 2.13 2.17	1.7132 1.7352 1.7562 223 [391.1] 1.5360 1.5427 1.5500 1.5571	1399.5 1425.5 1199.6 1205.3 1211.6 1217.9	2.05 2.09 2.12 2.16	1.7346 1.7557 224 [391.5] 1.5356 1.5420 1.5493 1.5565	1399.5 1425.5 1199.7 1205.1 1211.4 1217.7
650 700 750 800 Sat. 400	2.98 3.13 3.28 3.42 2.08	1.6912 1.7143 1.7363 1.7573 221 [3903] 1.5368 1.5440 1.5513	1373.6 1399.6 1425.6 1199.5 1205.7 1212.0	3.12 3.27 3.41 2.07 2.11 2.14	1.7137 1.7357 1.7568 222 [390.7] 1.5364 1.5433 1.5507	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8 1218.0 1224.2	3.10 3.25 3.39 2.06 2.10 2.13	1.7132 1.7352 1.7562 223 [391.1] 1.5360 1.5427 1.5500 1.5571 1.5641	1399.5 1425.5 1199.6 1205.3 1211.6	2.05 2.09 2.12	1.7346 1.7557 224 [391.5] 1.5356 1.5420 1.5493	1399.5 1425.5 1199.7 1205.1 1211.4
650 700 750 800 Sat. 400 410 420 430 440	2.98 3.13 3.28 3.42 2.08 2.12 2.15 2.19 2.23 2.26	1.6912 1.7143 1.7363 1.7573 221 [3903] 1.5368 1.5440 1.5513 1.5584 1.5654 1.5722	1373.6 1399.6 1425.6 1199.5 1205.7 1212.0 1218.2 1224.4 1230.4	3.12 3.27 3.41 2.07 2.11 2.14 2.18 2.22 2.25	1.7137 1.7357 1.7568 222 [390.7] 1.5364 1.5433 1.5507 1.5578 1.5647 1.5715	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8 1218.0 1224.2 1230.3	3.10 3.25 3.39 2.06 2.10 2.13 2.17 2.20 2.24	1.7132 1.7352 1.7562 223 [391.1] 1.5360 1.5427 1.5500 1.5571 1.5641 1.5709	1399.5 1425.5 1199.6 1205.3 1211.6 1217.9 1224.0 1230.1	2.05 2.09 2.12 2.16 2.19 2.23	1.7346 1.7557 224 [391.5] 1.5356 1.5420 1.5493 1.5565 1.5634 1.5702	1199.7 1425.5 1199.7 1205.1 1211.4 1217.7 1223.9 1230.0
550 700 750 800 Sat. 400 410 420 430 440	2.98 3.13 3.28 3.42 2.08 2.12 2.19 2.23 2.26	1.6912 1.7143 1.7363 1.7573 221 [3903] 1.5368 1.5440 1.5513 1.5584 1.5654 1.5722	1373.6 1399.6 1425.6 1199.5 1205.7 1212.0 1218.2 1224.4 1230.4	2.07 2.11 2.14 2.22 2.25 2.28	1.7137 1.7357 1.7568 222 [390.7] 1.5364 1.5433 1.5507 1.5578 1.5647 1.5715	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8 1218.0 1224.2 1230.3	3.10 3.25 3.39 2.06 2.10 2.13 2.17 2.20 2.24	1.7132 1.7352 1.7562 223 [391.1] 1.5360 1.5427 1.5500 1.5571 1.5641 1.5709	1399.5 1425.5 1199.6 1205.3 1211.6 1217.9 1224.0 1230.1	2.05 2.09 2.12 2.16 2.19 2.23	1.7346 1.7557 224 [391.5] 1.5356 1.5420 1.5493 1.5565 1.5634 1.5702	1399.5 1425.5 1199.7 1205.1 1211.4 1217.7 1223.9 1230.0
650 700 750 800 Sat. 400 410 420 430 440 450 460	2.98 3.13 3.28 3.42 2.08 2.12 2.15 2.19 2.23 2.26 2.30 2.33	1.6912 1.7143 1.7363 1.7573 221 [390.3] 1.5368 1.55440 1.5513 1.5584 1.5654 1.5722 1.5788 1.5788	1373.6 1399.6 1425.6 1199.5 1205.7 1212.0 1218.2 1224.4 1230.4 1236.4	3.12 3.27 3.41 2.07 2.11 2.14 2.18 2.22 2.25 2.28 2.32	1.7137 1.7357 1.7358 222 [390.7] 1.5364 1.5433 1.5507 1.5578 1.5647 1.5715	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8 1218.0 1224.2 1230.3 1236.3	3.10 3.25 3.39 2.06 2.10 2.13 2.17 2.20 2.24 2.27 2.31	1.7132 1.7352 1.7562 223 [391.1] 1.5360 1.5427 1.5500 1.5571 1.5641 1.5709 1.5775 1.5840	1399.5 1425.5 1199.6 1205.3 1211.6 1224.0 1230.1 1236.1 1236.1	2.05 2.09 2.12 2.16 2.19 2.23 2.26 2.30	1.7346 1.7557 224 [391.5] 1.5356 1.5420 1.5493 1.5565 1.5634 1.5702 1.5769 1.5834	1199.7 1425.5 1199.7 1205.1 1211.4 1217.7 1223.9 1230.0 1236.0
650 700 750 800 Sat. 400 410 420 430 440 460 470	2.98 3.13 3.28 3.42 2.08 2.12 2.15 2.19 2.23 2.26 2.30 2.33 2.36	1.6912 1.7143 1.7363 1.7573 221 [3903] 1.5368 1.55440 1.5553 1.5584 1.5722 1.5788 1.5853 1.5916	1373.6 1399.6 1425.6 1199.5 1205.7 1212.0 1218.2 1224.4 1230.4 1236.4 1242.4 1248.2	2.07 2.14 2.18 2.22 2.25 2.28 2.32 2.35	1.7137 1.7357 1.7568 222 [390.7] 1.5364 1.5507 1.5578 1.5647 1.5715 1.5781 1.5781 1.5846 1.5910	1373.5 1399.6 1425.5 1199.6 1205.5 1218.0 1224.2 1230.3 1242.2 1248.1	3.10 3.25 3.39 2.06 2.10 2.13 2.17 2.20 2.24 2.27 2.31 2.34	1.7132 1.7352 1.7562 223 [391.1] 1.5360 1.5427 1.5500 1.5541 1.5709	1399.5 1425.5 1199.6 1205.3 1211.6 1224.0 1230.1 1236.1 1242.1 1247.9	2.05 2.09 2.12 2.16 2.19 2.23 2.26 2.30 2.33	1.7346 1.7557 224 [391.5] 1.5356 1.5493 1.55654 1.5702 1.5769 1.5834 1.5897	1199.7 1199.7 1205.1 1217.4 1217.7 1230.0 1236.0 1241.9 1247.8
650 700 750 800 Sat. 400 410 420 430 440 450 460	2.98 3.13 3.28 3.42 2.08 2.12 2.15 2.19 2.23 2.26 2.30 2.33	1.6912 1.7143 1.7363 1.7573 221 [390.3] 1.5368 1.55440 1.5513 1.5584 1.5654 1.5722 1.5788 1.5788	1373.6 1399.6 1425.6 1199.5 1205.7 1212.0 1218.2 1224.4 1230.4 1236.4	3.12 3.27 3.41 2.07 2.11 2.14 2.18 2.22 2.25 2.28 2.32	1.7137 1.7357 1.7358 222 [390.7] 1.5364 1.5433 1.5507 1.5578 1.5647 1.5715	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8 1218.0 1224.2 1230.3 1236.3	3.10 3.25 3.39 2.06 2.10 2.13 2.17 2.20 2.24 2.27 2.31	1.7132 1.7352 1.7562 223 [391.1] 1.5360 1.5427 1.5500 1.5571 1.5641 1.5709 1.5775 1.5840	1399.5 1425.5 1199.6 1205.3 1211.6 1224.0 1230.1 1236.1 1236.1	2.05 2.09 2.12 2.16 2.19 2.23 2.26 2.30	1.7346 1.7557 224 [391.5] 1.5356 1.5420 1.5493 1.5565 1.5634 1.5702 1.5769 1.5834	1199.7 1425.5 1199.7 1205.1 1211.4 1217.7 1223.9 1230.0 1236.0
650 700 750 800 Sat. 400 410 420 430 440 450 470 480 490	2.98 3.13 3.28 3.42 2.08 2.12 2.15 2.19 2.23 2.26 2.30 2.33 2.36 2.40 2.43	1.6912 1.7143 1.7363 1.7573 221 [390.3] 1.5368 1.55440 1.5513 1.5584 1.5654 1.5722 1.5788 1.5853 1.5916 1.5978 1.6039	1373.6 1399.6 1425.6 1199.5 1205.7 1212.0 1218.2 1224.4 1230.4 1242.4 1248.2 1254.0 1259.8	2.07 2.11 2.14 2.22 2.25 2.28 2.32 2.35 2.38 2.42	1.7137 1.7357 1.7358 222 [390.7] 1.5364 1.5433 1.5507 1.5578 1.5647 1.5715 1.5846 1.5910 1.592 1.6033	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8 1218.0 1224.2 1230.3 1242.2 1248.1 1253.9 1259.6	3.10 3.25 3.39 2.06 2.10 2.13 2.17 2.20 2.24 2.27 2.31 2.34 2.37 2.41	1.7132 1.7352 1.7562 223 [391.1] 1.5360 1.5427 1.5500 1.5571 1.5641 1.5709 1.5775 1.5840 1.5903 1.5903 1.5966 1.6027	1399.5 1425.5 1199.6 1205.3 1217.9 1224.0 1230.1 1236.1 1242.1 1247.9 1253.7 1259.5	2.05 2.09 2.12 2.16 2.19 2.23 2.26 2.30 2.33 2.36 2.40	1.7346 1.7557 224 [391.5] 1.5356 1.5420 1.5493 1.5565 1.5634 1.5702 1.5769 1.5834 1.5897 1.5960 1.6021	1399.5 1425.5 1199.7 1205.1 1211.4 1217.7 1223.9 1230.0 1241.9 1247.8 1253.6 1259.4
650 700 750 800 Sat. 400 410 420 430 440 450 460 470 480	2.98 3.13 3.28 3.42 2.08 2.12 2.15 2.219 2.23 2.26 2.33 2.36 2.40 2.43	1.6912 1.7143 1.7363 1.7573 221 [390.3] 1.5368 1.55440 1.5513 1.5584 1.5654 1.5722 1.5788 1.5916 1.5978 1.6039 1.6099	1373.6 1399.6 1425.6 1199.5 1205.7 1212.0 1218.2 1224.4 1230.4 1242.4 1248.2 1254.0 1259.8	2.07 2.14 2.18 2.22 2.25 2.35 2.38 2.42 2.45	1.7137 1.7357 1.7358 222 [390.7] 1.5364 1.5433 1.5507 1.5578 1.5647 1.5715 1.5781 1.5846 1.5910 1.5972 1.6033 1.6093	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8 1224.2 1230.3 1242.2 1248.1 1253.9 1259.6	3.10 3.25 3.39 2.06 2.10 2.13 2.17 2.20 2.24 2.27 2.31 2.34 2.37 2.41	1.7132 1.7352 1.7352 1.7562 223 [391.1] 1.5360 1.5571 1.5571 1.5775 1.5840 1.5903 1.5966 1.6027 1.6087	1399.5 1425.5 1199.6 1205.3 1211.6 1224.0 1230.1 1242.1 1247.9 1253.7 1259.5	2.05 2.09 2.12 2.16 2.19 2.23 2.26 2.30 2.33 2.36 2.40	1.7346 1.7557 224 [391.5] 1.5356 1.5420 1.5493 1.55634 1.5702 1.5769 1.5834 1.5897 1.5897 1.5960 1.6021	1199.7 1199.7 1205.1 1217.7 1223.9 1230.0 1241.9 1247.8 1253.6 1259.4
650 700 750 800 Sat. 400 410 420 430 440 450 480 490	2.98 3.13 3.28 3.42 2.08 2.12 2.15 2.23 2.26 2.30 2.30 2.40 2.43 2.47 2.50	1.6912 1.7143 1.7363 1.7573 221 [390.3] 1.5368 1.55440 1.5513 1.5584 1.5654 1.5722 1.5788 1.5853 1.5916 1.5978 1.6039	1373.6 1399.6 1425.6 1199.5 1205.7 1212.0 1218.2 1224.4 1230.4 1248.2 1254.0 1259.8 1265.5	2.07 2.07 2.11 2.14 2.18 2.22 2.25 2.35 2.38 2.42 2.45 2.48	1.7137 1.7357 1.7358 222 [390.7] 1.5364 1.5433 1.5507 1.5578 1.5781 1.5781 1.5910 1.5910 1.5972 1.6033 1.6093 1.6151	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8 1218.0 1224.2 1230.3 1246.3 1248.1 1253.9 1259.6 1265.4	3.10 3.25 3.39 2.06 2.10 2.13 2.17 2.20 2.24 2.27 2.31 2.34 2.37 2.41	1.7132 1.7352 1.7562 223 [391.1] 1.5360 1.5427 1.5500 1.5571 1.5641 1.5709 1.5775 1.5840 1.5903 1.5903 1.5966 1.6027	1399.5 1425.5 1199.6 1205.3 1217.9 1224.0 1230.1 1236.1 1242.1 1247.9 1253.7 1259.5	3.24 3.38 2.05 2.09 2.12 2.16 2.19 2.23 2.26 2.30 2.33 2.36 2.40	1.7346 1.7557 224 [391.5] 1.5356 1.5420 1.5493 1.5565 1.5634 1.5702 1.5769 1.5834 1.5897 1.5960 1.6021	1399.5 1425.5 1199.7 1205.1 1211.4 1217.7 1223.9 1230.0 1241.9 1247.8 1253.6 1259.4
650 700 750 800 Sat. 400 410 420 430 440 450 480 490 510	2.98 3.13 3.28 3.42 2.08 2.12 2.15 2.219 2.23 2.26 2.33 2.36 2.40 2.43 2.47 2.50 2.53	1.6912 1.7143 1.7363 1.7573 221 [390.3] 1.5368 1.5440 1.55584 1.5654 1.5722 1.5788 1.5916 1.5978 1.6039 1.6099 1.6157	1373.6 1399.6 1425.6 1199.5 1205.7 1212.0 1218.2 1224.4 1230.4 1242.4 1248.2 1254.0 1259.8	3.12 3.27 3.41 2.07 2.11 2.14 2.18 2.22 2.25 2.28 2.35 2.38 2.42 2.45 2.48 2.52	1.7137 1.7357 1.7358 222 [390.7] 1.5364 1.5433 1.5507 1.5578 1.5647 1.5715 1.5781 1.5846 1.5910 1.5972 1.6033 1.6093	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8 1224.2 1230.3 1242.2 1248.1 1253.9 1259.6	3.10 3.25 3.39 2.06 2.10 2.13 2.17 2.20 2.24 2.27 2.31 2.37 2.41	1.7132 1.7352 1.7352 1.7562 223 [391.1] 1.5360 1.5427 1.5500 1.5571 1.5641 1.5709 1.5775 1.5840 1.5903 1.5966 1.6027 1.6087 1.6087	1399.5 1425.5 1199.6 1205.3 1211.6 1217.9 1224.0 1230.1 1247.9 1253.7 1259.5 1265.2 1270.9	2.05 2.09 2.12 2.16 2.19 2.23 2.26 2.30 2.33 2.36 2.40	1.7346 1.7557 224 [391.5] 1.5356 1.5493 1.55634 1.5702 1.5769 1.5897 1.5897 1.5960 1.6081 1.6081	1399.5 1425.5 1199.7 1205.1 1211.4 1217.7 1223.9 1230.0 1247.8 1253.6 1259.4 1265.1 1270.8
650 700 750 800 Sat. 400 410 420 430 440 450 450 450 510 510 5520	2.98 3.13 3.28 3.42 2.08 2.12 2.15 2.219 2.23 2.26 2.33 2.36 2.40 2.43 2.47 2.50 2.53	1.6912 1.7143 1.7363 1.7573 221 [3903] 1.5368 1.5440 1.5513 1.5584 1.5654 1.5722 1.5788 1.5958 1.5958 1.5978 1.6039 1.6059 1.6051 1.6215	1373.6 1399.6 1425.6 1199.5 1205.7 1212.0 1218.2 1224.4 1230.4 1242.4 1248.2 1254.0 1259.8 1265.5 1271.1	2.07 2.07 2.11 2.14 2.18 2.22 2.25 2.35 2.38 2.42 2.45 2.48	1.7137 1.7357 1.7357 1.7568 222 [390-7] 1.5364 1.5433 1.5507 1.5578 1.5781 1.5781 1.5910 1.592 1.6033 1.6093 1.6151 1.6209	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8 12124.2 1230.3 1236.3 1242.2 1248.1 1253.9 1259.6	3.10 3.25 3.39 2.06 2.10 2.13 2.17 2.20 2.24 2.27 2.31 2.34 2.37 2.41	1.7132 1.7352 1.7352 1.7562 223 [391.1] 1.5360 1.5427 1.5500 1.5571 1.5641 1.5779 1.5780 1.5903 1.5966 1.6027	1399.5 1425.5 1199.6 1205.3 1211.6 1217.9 1224.0 1230.1 1242.1 1247.9 1253.7 1259.5 1265.2 1270.9 1276.5	3.24 3.38 2.05 2.09 2.12 2.16 2.19 2.23 2.26 2.30 2.33 2.36 2.40 2.40	1.7346 1.7557 224 [391.5] 1.5356 1.5420 1.5493 1.5565 1.5634 1.5769 1.5834 1.5897 1.5960 1.6081 1.6081 1.6139 1.6139	1199.7 1205.1 1211.4 1217.7 1230.9 1241.9 1247.8 1253.6 1259.4 1265.1 1270.8 1276.4
650 700 750 800 Sat. 400 410 420 430 440 450 450 450 500 510 520 530	2.98 3.13 3.28 3.42 2.08 2.12 2.15 2.219 2.23 2.26 2.30 2.33 2.36 2.40 2.43 2.47 2.50 2.53 2.56 2.59 2.62	1.6912 1.7143 1.7363 1.7573 221 [390.3] 1.5368 1.5554 1.5554 1.5654 1.5722 1.5788 1.5853 1.5916 1.5978 1.6039 1.6059 1.6215 1.6215	1373.6 1399.6 1425.6 1199.5 1205.7 1212.0 1218.2 1224.4 1230.4 1242.4 1242.2 1259.8 1265.5 1271.1 1276.7 1282.3	2.07 2.11 2.14 2.18 2.22 2.25 2.35 2.38 2.42 2.45 2.45 2.45 2.52 2.55	1.7137 1.7357 1.7358 222 [390.7] 1.5364 1.5433 1.5507 1.5578 1.5647 1.5715 1.5781 1.5846 1.5910 1.5972 1.6033 1.6151 1.6209 1.6209 1.6266	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8 1218.0 1224.2 1230.3 1242.2 1248.1 1259.6 1265.4 1271.0 1276.6 1282.2	3.10 3.25 3.39 2.06 2.10 2.13 2.17 2.20 2.24 2.27 2.31 2.34 2.37 2.41 2.44 2.47 2.50 2.54	1.7132 1.7352 1.7352 1.7562 223 [391.1] 1.5360 1.5571 1.5571 1.5641 1.5709 1.5775 1.5840 1.5903 1.5966 1.6027 1.6087 1.6145 1.6203	1399.5 1425.5 1199.6 1205.3 1211.6 1217.9 1224.0 1236.1 1242.1 1242.1 1253.7 1259.5 1265.2 1270.9 1276.5 1282.1	3.24 3.38 2.05 2.09 2.12 2.16 2.23 2.26 2.30 2.33 2.36 2.40 2.43 2.44 2.49 2.52	1.7346 1.7557 224 [391.5] 1.5356 1.5420 1.5493 1.55634 1.5769 1.5834 1.5897 1.5960 1.6081 1.6139 1.6139 1.6254 1.6310	1399.5 1425.5 1199.7 1205.1 1211.4 1217.7 1223.9 1247.8 1253.6 1247.8 1259.4 1276.4 1270.8 1276.4 1282.0
650 700 750 800 Sat. 400 410 420 430 440 450 450 450 510 5520 530 540	2.98 3.13 3.28 3.42 2.08 2.12 2.15 2.219 2.23 2.26 2.33 2.36 2.40 2.43 2.47 2.50 2.53 2.50 2.59	1.6912 1.7143 1.7363 1.7573 221 [390.3] 1.5368 1.5440 1.5513 1.5584 1.5722 1.5788 1.5916 1.5978 1.6039 1.6099 1.6157 1.6215 1.6227 1.6327	1373.6 1399.6 1425.6 1425.6 1199.5 1205.7 1212.0 1218.2 1224.4 1230.4 1242.4 1248.2 1254.0 1259.8 1265.5 1271.1 1276.7 1282.3 1287.9	2.07 2.07 2.11 2.14 2.18 2.22 2.25 2.35 2.38 2.42 2.45 2.48 2.52 2.55 2.58	1.7137 1.7357 1.7358 222 [390.7] 1.5364 1.5433 1.5507 1.5578 1.5647 1.5715 1.5781 1.5910 1.5972 1.6033 1.6093 1.6151 1.6209 1.6266 1.6321	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8 1224.2 1230.3 1242.2 1248.1 1253.9 1259.6 1265.4 1271.0 1276.6 1282.2 1287.8	3.10 3.25 3.39 2.06 2.10 2.13 2.17 2.20 2.24 2.27 2.31 2.34 2.37 2.41 2.44 2.47 2.50 2.54 2.57	1.7132 1.7352 1.7352 1.7562 223 [391.1] 1.5360 1.55427 1.5500 1.5571 1.5641 1.5709 1.5775 1.5840 1.5903 1.5966 1.6027 1.6087 1.6087 1.6203 1.6203 1.6260 1.6315	1399.5 1425.5 1199.6 1205.3 1211.6 1217.9 1224.0 1230.1 1247.9 1253.7 1259.5 1265.2 1270.9 1276.5 1282.1 1287.7	3.24 3.38 2.05 2.09 2.12 2.16 2.19 2.23 2.26 2.30 2.33 2.36 2.40 2.49 2.52 2.56	1.7346 1.7557 224 [391.5] 1.5356 1.5420 1.5493 1.5565 1.5654 1.5769 1.5834 1.5897 1.5960 1.6081 1.6139 1.6197 1.6254 1.6310 1.6365 1.63419	1199.7 1205.1 1211.4 1217.7 1230.0 1241.9 1247.8 1253.6 1259.4 1265.1 1270.8 1276.4 1282.0 1287.6
500 750 800 800 800 800 800 800 800 800 800 8	2.98 3.13 3.28 3.42 2.08 2.12 2.15 2.19 2.23 2.26 2.30 2.33 2.36 2.43 2.47 2.55 2.56 2.59 2.62 2.65 2.69	1.6912 1.7143 1.7363 1.7573 221 [390.3] 1.5368 1.5440 1.5513 1.5584 1.5654 1.5722 1.5788 1.6853 1.6999 1.6157 1.6215 1.62271 1.6327 1.6327 1.6382 1.6436 1.6489	1373.6 1399.6 1425.6 1199.5 1205.7 1218.2 1224.4 1230.4 1248.2 1254.0 1259.8 1265.5 1271.1 1276.7 1282.3 1287.9	2.07 2.07 2.11 2.14 2.12 2.22 2.25 2.35 2.38 2.42 2.45 2.48 2.52 2.55 2.58 2.61	1.7137 1.7357 1.7358 222 [390.7] 1.5364 1.5433 1.5507 1.5578 1.5647 1.5715 1.5910 1.5920 1.6093 1.6151 1.6093 1.6266 1.6321 1.6376 1.6430 1.6483	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8 1224.2 1230.3 1236.3 1242.2 1248.1 1253.9 1259.6 1265.4 1271.0 1276.6 1282.2 1287.8	3.10 3.25 3.39 2.06 2.10 2.13 2.17 2.20 2.24 2.27 2.31 2.34 2.37 2.41 2.47 2.54 2.57 2.60 2.63 2.66	1.7132 1.7352 1.7352 1.7562 223 [391.1] 1.5360 1.5571 1.5571 1.5641 1.5709 1.5775 1.5840 1.5903 1.5966 1.6027 1.6087 1.6145 1.6200 1.6250 1.62	1399.5 1425.5 1199.6 1205.3 1211.6 1217.9 1224.0 1230.1 1247.9 1253.7 1259.5 1265.2 1270.9 1276.5 1282.1 1287.7	2.05 2.09 2.16 2.19 2.23 2.26 2.30 2.33 2.36 2.40 2.43 2.46 2.49 2.52 2.56 2.59 2.65	1.7346 1.7557 224 [391.5] 1.5356 1.5420 1.5420 1.5634 1.5702 1.5769 1.5834 1.5897 1.5960 1.6021 1.6081 1.6139 1.6139 1.6139 1.6254 1.6310	1399.5 1425.5 1199.7 1205.1 1211.4 1217.7 1223.9 1241.9 1247.8 1253.6 1259.4 1265.1 1276.4 1282.0 1287.6
650 750 750 800 Sat. 400 410 420 430 440 450 450 450 500 510 550 550 550 550 550	2.98 3.13 3.28 3.42 2.08 2.12 2.15 2.19 2.23 2.26 2.33 2.36 2.40 2.43 2.50 2.55 2.59 2.62 2.65 2.69 2.72	1.6912 1.7143 1.7363 1.7573 221 [390.3] 1.5368 1.5440 1.5513 1.5584 1.5654 1.5722 1.5788 1.6939 1.6039 1.6215 1.6221 1.6327 1.6327 1.6382 1.6489 1.64489 1.6541	1373.6 1399.6 1425.6 1199.5 1205.7 1212.0 1218.2 1224.4 1230.4 1242.4 1248.2 1254.0 1259.8 1265.5 1271.1 1276.7 1282.3 1287.9 1298.9 1298.9 1298.9	2.07 2.11 2.14 2.18 2.22 2.25 2.35 2.38 2.42 2.45 2.48 2.52 2.55 2.58 2.61 2.64 2.67 2.70	1.7137 1.7357 1.7358 222 [390.7] 1.5364 1.5433 1.5507 1.5578 1.5647 1.5715 1.5910 1.5910 1.6033 1.6093 1.6151 1.6266 1.6321 1.6376 1.6376 1.6430 1.6430 1.6430 1.6443	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8 1218.0 1224.2 1230.3 1242.2 1248.1 1253.9 1259.6 1265.4 1271.0 12	3.10 3.25 3.39 2.06 2.10 2.13 2.17 2.20 2.24 2.27 2.31 2.34 2.37 2.41 2.47 2.50 2.54 2.66 2.63 2.66 2.69	1.7132 1.7352 1.7352 1.7562 223 [391.1] 1.5360 1.5427 1.5571 1.5775 1.5840 1.5903 1.5966 1.6027 1.6087 1.6145 1.6203 1.6260 1.6315 1.6370 1.6370	1399.5 1425.5 1199.6 1205.3 1211.6 1224.0 1230.1 1242.1 1247.9 1253.7 1259.5 1265.2 1270.9 1276.5 1282.1 1287.7 1293.2 1298.7 1304.1 1309.5	2.05 2.09 2.12 2.16 2.19 2.23 2.26 2.30 2.33 2.46 2.49 2.52 2.56 2.59 2.62 2.65 2.68	1.7346 1.7557 224 [391.5] 1.5356 1.5420 1.5432 1.5563 1.55634 1.5702 1.5834 1.5897 1.5860 1.6081 1.6139 1.6139 1.6139 1.6254 1.6316 1.6365 1.6419 1.6472 1.6524	1199.7 1205.1 1217.7 1223.9 1230.0 1241.9 1247.8 1253.6 1259.4 1265.1 1270.8 12
500 750 800 800 800 800 800 800 800 800 800 8	2.98 3.13 3.28 3.42 2.08 2.12 2.15 2.19 2.23 2.26 2.30 2.33 2.36 2.43 2.47 2.55 2.56 2.59 2.62 2.65 2.69	1.6912 1.7143 1.7363 1.7573 221 [390.3] 1.5368 1.5440 1.5513 1.5584 1.5654 1.5722 1.5788 1.6853 1.6999 1.6157 1.6215 1.62271 1.6327 1.6327 1.6382 1.6436 1.6489	1373.6 1399.6 1425.6 1199.5 1205.7 1212.0 1218.2 1224.4 1230.4 1242.4 1248.2 1259.8 1265.5 1271.1 1276.7 1282.3 1287.9 1293.4 1298.9 1304.3	2.07 2.11 2.14 2.18 2.22 2.25 2.35 2.38 2.42 2.45 2.48 2.55 2.55 2.58 2.61 2.64 2.67	1.7137 1.7357 1.7358 222 [390.7] 1.5364 1.5433 1.5507 1.5578 1.5647 1.5715 1.5910 1.5920 1.6093 1.6151 1.6093 1.6266 1.6321 1.6376 1.6430 1.6483	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8 1218.0 1224.2 1230.3 1242.2 1248.1 1259.6 1265.4 1271.0 1276.6 1276.8 1282.2 1287.8	3.10 3.25 3.39 2.06 2.10 2.13 2.17 2.20 2.24 2.27 2.31 2.34 2.37 2.41 2.47 2.54 2.57 2.60 2.63 2.66	1.7132 1.7352 1.7352 1.7562 223 [391.1] 1.5360 1.5571 1.5571 1.5641 1.5709 1.5775 1.5840 1.5903 1.5966 1.6027 1.6087 1.6145 1.6200 1.6250 1.62	1399.5 1425.5 1199.6 1205.3 1211.9 1224.0 1230.1 1236.1 1242.1 1247.9 1253.7 1259.5 1265.2 1270.9 1276.5 1282.1 1282.1 1298.7	2.05 2.09 2.16 2.19 2.23 2.26 2.30 2.33 2.36 2.40 2.43 2.46 2.49 2.52 2.56 2.59 2.65	1.7346 1.7557 224 [391.5] 1.5356 1.5420 1.5420 1.5634 1.5702 1.5769 1.5834 1.5897 1.5960 1.6021 1.6081 1.6139 1.6139 1.6139 1.6254 1.6310	1399.5 1425.5 1199.7 1205.1 1211.4 1217.7 1223.9 1241.9 1247.8 1259.4 1265.1 1270.8 1276.4 1282.0 1287.6
500 750 800 800 800 800 800 800 800 800 800 8	2.98 3.13 3.28 3.42 2.08 2.12 2.15 2.19 2.23 2.26 2.33 2.36 2.40 2.43 2.50 2.55 2.59 2.62 2.65 2.69 2.72	1.6912 1.7143 1.7363 1.7573 221 [390.3] 1.5368 1.5440 1.5513 1.5584 1.5654 1.5722 1.5788 1.6939 1.6039 1.6215 1.6221 1.6327 1.6327 1.6382 1.6489 1.64489 1.6541	1373.6 1399.6 1425.6 1199.5 1205.7 1212.0 1218.2 1224.4 1230.4 1242.4 1248.2 1254.0 1259.8 1265.5 1271.1 1276.7 1282.3 1287.9 1298.9 1298.9 1298.9	2.07 2.11 2.14 2.18 2.22 2.25 2.35 2.38 2.42 2.45 2.48 2.52 2.55 2.58 2.61 2.64 2.67 2.70	1.7137 1.7357 1.7358 222 [390.7] 1.5364 1.5433 1.5507 1.5578 1.5647 1.5715 1.5910 1.5910 1.6033 1.6093 1.6151 1.6266 1.6321 1.6376 1.6376 1.6430 1.6430 1.6430 1.6443	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8 1218.0 1224.2 1230.3 1242.2 1248.1 1253.9 1259.6 1265.4 1271.0 12	3.10 3.25 3.39 2.06 2.10 2.13 2.17 2.20 2.24 2.27 2.31 2.34 2.37 2.41 2.47 2.50 2.54 2.66 2.63 2.66 2.69	1.7132 1.7352 1.7352 1.7562 223 [391.1] 1.5360 1.5427 1.5571 1.5775 1.5840 1.5903 1.5966 1.6027 1.6087 1.6145 1.6203 1.6260 1.6315 1.6370 1.6370	1399.5 1425.5 1199.6 1205.3 1211.6 1224.0 1230.1 1242.1 1247.9 1253.7 1259.5 1265.2 1270.9 1276.5 1282.1 1287.7 1293.2 1298.7 1304.1 1309.5	2.05 2.09 2.12 2.16 2.19 2.23 2.26 2.30 2.33 2.46 2.49 2.52 2.56 2.59 2.62 2.65 2.68	1.7346 1.7557 224 [391.5] 1.5356 1.5420 1.5432 1.5563 1.55634 1.5702 1.5834 1.5897 1.5860 1.6081 1.6139 1.6139 1.6139 1.6254 1.6316 1.6365 1.6419 1.6472 1.6524	1199.7 1205.1 1217.7 1223.9 1230.0 1241.9 1247.8 1253.6 1259.4 1265.1 1270.8 12
650 750 750 800 800 800 800 800 800 800 800 800 8	2.98 3.13 3.28 3.42 2.08 2.12 2.15 2.19 2.23 2.26 2.33 2.36 2.40 2.43 2.50 2.55 2.56 2.59 2.62 2.72 2.75 2.75 2.75	1.6912 1.7143 1.7363 1.7573 221 [390.3] 1.5368 1.5440 1.5513 1.5584 1.5654 1.5722 1.5788 1.6039 1.6039 1.6157 1.6271 1.6327 1.6382 1.6446 1.6489 1.6541 1.6593 1.6644 1.6889	1373.6 1399.6 1425.6 1199.5 1205.7 1212.0 1218.2 1224.4 1230.4 1242.4 1242.4 1248.2 1254.0 1259.8 1265.5 1271.1 1276.7 1282.3 1287.9 1298.9 1304.3 1309.7 1315.1	2.07 2.11 2.14 2.18 2.22 2.25 2.35 2.38 2.42 2.45 2.55 2.58 2.61 2.64 2.67 2.70 2.73	1.7137 1.7357 1.7358 222 [390.7] 1.5364 1.5433 1.5507 1.5781 1.5846 1.5910 1.592 1.6033 1.6093 1.6151 1.6266 1.6321 1.6376 1.6430 1.6430 1.6430 1.6588 1.6639 1.6639 1.6639	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8 1218.0 1224.2 1230.3 1242.2 1248.1 1253.9 1253.9 1259.6 1265.4 1271.0 1276.6 1282.2 1287.8 1293.3 1298.8 1304.2 1309.6 1315.0	3.10 3.25 3.39 2.06 2.10 2.13 2.17 2.20 2.24 2.27 2.31 2.34 2.37 2.41 2.47 2.50 2.66 2.69 2.72 2.75 2.90	1.7132 1.7352 1.7352 1.7562 223 [391.1] 1.5360 1.5571 1.5571 1.5641 1.5709 1.5775 1.5840 1.5903 1.5966 1.6027 1.6087 1.6145 1.6260 1.6315 1.6370 1.6424 1.6478 1.6530 1.6582 1.6533 1.6582	1399.5 1425.5 1199.6 1205.3 1211.6 1224.0 1230.1 1242.1 1247.9 1253.7 1259.5 1265.2 1270.9 1276.5 1282.1 1282.1 1298.7 1304.1 1309.5 1314.9	2.05 2.09 2.12 2.16 2.19 2.23 2.26 2.30 2.33 2.46 2.49 2.55 2.56 2.59 2.65 2.68 2.71 2.74 2.89	1.7346 1.7557 224 [391.5] 1.5356 1.5420 1.5420 1.5565 1.5634 1.5762 1.5834 1.5897 1.5860 1.6021 1.6081 1.6139 1.6139 1.6139 1.6254 1.6310 1.6365 1.6472 1.6576 1.6576	1399.5 1425.5 1199.7 1205.1 1217.7 1223.9 1230.0 1241.9 1247.8 1253.6 1259.4 1265.1 1270.8 12
650 750 750 800 Sat. 400 410 420 430 440 450 450 450 550 550 5570 580 5590 6650 700	2.98 3.13 3.28 3.42 2.08 2.12 2.15 2.219 2.23 2.26 2.33 2.36 2.40 2.43 2.50 2.53 2.50 2.59 2.62 2.72 2.75 2.75 2.75 2.75 2.75 2.75 2.7	1.6912 1.7143 1.7363 1.7573 221 [390.3] 1.5368 1.5440 1.5513 1.5584 1.5554 1.5722 1.5788 1.5978 1.6039 1.6039 1.6215 1.6215 1.6215 1.6215 1.6215 1.6327 1.6382 1.6436 1.6436 1.6436 1.6593 1.6644 1.6889 1.121	1373.6 1399.6 1425.6 1425.6 1205.7 1212.0 1218.2 1224.4 1230.4 1248.2 1254.0 1259.8 1265.5 1271.1 1276.7 1282.3 1287.9 1293.4 1298.9 1304.3 1309.7 1315.1	2.07 2.11 2.14 2.18 2.22 2.25 2.35 2.38 2.42 2.45 2.55 2.58 2.61 2.64 2.67 2.70 2.73 2.77 2.91 3.06	1.7137 1.7357 1.7357 1.7568 222 [390.7] 1.5364 1.5543 1.5507 1.5578 1.5781 1.5781 1.5910 1.5910 1.693 1.6151 1.6209 1.6261 1.6376 1.6376 1.6376 1.6376 1.6376 1.6384 1.6536 1.6538	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8 1224.2 1230.3 1242.2 1248.1 1253.9 1259.6 1265.4 1271.0 1271.0 1271.0 1282.2 1287.8 1293.3 1298.8 1293.3 1298.6 1304.2 1309.6 1315.0	3.10 3.25 3.39 2.06 2.10 2.13 2.17 2.20 2.24 2.27 2.31 2.34 2.37 2.41 2.50 2.54 2.57 2.60 2.63 2.66 2.69 2.72 2.75 2.90 3.05	1.7132 1.7352 1.7352 1.7352 1.7562 223 [391.1] 1.5360 1.5571 1.5571 1.5641 1.5709 1.5775 1.5840 1.5903 1.5966 1.6027 1.6087 1.6145 1.6203 1.6260 1.6315 1.6370 1.6370 1.6478 1.6530 1.6582	1399.5 1425.5 1199.6 1205.3 1211.6 1224.0 1230.1 1242.1 1247.9 1253.7 1259.5 1265.2 1270.9 1276.5 1282.1 1287.7 1293.2 1298.7 1304.1 1309.5 1314.9	3.24 3.38 2.05 2.09 2.12 2.16 2.19 2.23 2.36 2.40 2.43 2.46 2.49 2.52 2.56 2.65 2.65 2.68 2.71 2.74 2.89 3.03	1.7346 1.7557 224 [391.5] 1.5356 1.5493 1.55634 1.5769 1.5897 1.5897 1.5897 1.6081 1.6139 1.6197 1.6254 1.6310 1.6365 1.6419 1.6576 1.6524 1.6576	1399.5 1425.5 1199.7 1205.1 1211.4 1217.7 1223.9 1230.0 1241.9 1247.8 1253.6 1259.4 1265.1 1270.8 1270.8 1270.8 1287.6 1287.6 1287.6 1304.0 1304.0 1309.4 1314.8
650 750 750 800 800 800 800 800 800 800 800 800 8	2.98 3.13 3.28 3.42 2.08 2.12 2.15 2.19 2.23 2.26 2.33 2.36 2.40 2.43 2.50 2.55 2.56 2.59 2.62 2.72 2.75 2.75 2.75	1.6912 1.7143 1.7363 1.7573 221 [390.3] 1.5368 1.5440 1.5513 1.5584 1.5654 1.5722 1.5788 1.6039 1.6039 1.6157 1.6271 1.6327 1.6382 1.6446 1.6489 1.6541 1.6593 1.6644 1.6889	1373.6 1399.6 1425.6 1199.5 1205.7 1212.0 1218.2 1224.4 1230.4 1242.4 1248.2 1259.8 1265.5 1271.1 1276.7 1282.3 1287.9 1293.4 1298.9 1304.3 1309.7 1315.1	2.07 2.11 2.14 2.18 2.22 2.25 2.35 2.38 2.42 2.45 2.55 2.58 2.61 2.64 2.67 2.70 2.73	1.7137 1.7357 1.7358 222 [390.7] 1.5364 1.5433 1.5507 1.5781 1.5846 1.5910 1.592 1.6033 1.6093 1.6151 1.6266 1.6321 1.6376 1.6430 1.6430 1.6430 1.6588 1.6639 1.6639 1.6639	1373.5 1399.6 1425.5 1199.6 1205.5 1211.8 1218.0 1224.2 1230.3 1242.2 1248.1 1253.9 1259.6 1265.4 1271.0 12	3.10 3.25 3.39 2.06 2.10 2.13 2.17 2.20 2.24 2.27 2.31 2.34 2.37 2.41 2.47 2.50 2.66 2.69 2.72 2.75 2.90	1.7132 1.7352 1.7352 1.7562 223 [391.1] 1.5360 1.5571 1.5571 1.5641 1.5709 1.5775 1.5840 1.5903 1.5966 1.6027 1.6087 1.6145 1.6260 1.6315 1.6370 1.6424 1.6478 1.6530 1.6582 1.6533 1.6582	1399.5 1425.5 1199.6 1205.3 1211.6 1224.0 1230.1 1242.1 1247.9 1253.7 1259.5 1265.2 1270.9 1276.5 1282.1 1282.1 1298.7 1304.1 1309.5 1314.9	2.05 2.09 2.12 2.16 2.19 2.23 2.26 2.30 2.33 2.46 2.49 2.55 2.56 2.59 2.65 2.68 2.71 2.74 2.89	1.7346 1.7557 224 [391.5] 1.5356 1.5420 1.5420 1.5565 1.5634 1.5762 1.5834 1.5897 1.5860 1.6021 1.6081 1.6139 1.6139 1.6139 1.6254 1.6310 1.6365 1.6472 1.6576 1.6576	1399.5 1425.5 1199.7 1205.1 1217.7 1223.9 1230.0 1241.9 1247.8 1253.6 1259.4 1265.1 1270.8 12

Pres- sure		225 [391.9]			226 [392.3]			227 [392.7]			228 [393.0]	
Temp F.	7		i	▼		i	▼		i	▼		i
Sat.	2.05	1.5352	1199.7	2.04	1.5348	1199.8	2.03	1.5344	1199.8	2.02	1.5341	1199.8
400	2.08	1.5413	1204.9	2.07	1.5406	1204.7	2.06	1.5399	1204.5	2.05	1.5393	1204.3
410	2.11	1.5486	1211.3	2.10	1.5480	1211.1	2.09	1.5473	1210.9	2.08	1.5467	1210.7
420	2.15	1.5558	1217.5	2.14	1.5552	1217.3	2.13	1.5545	1217.2	2.12	1.5539	1217.0
430	2.18	1.5628	1223.7	2.17	1.5621	1223.5	2.16	1.5615	1223.4	2.15	1.5609	1223.2
440	2.22	1.5696	1229.8	2.21	1.5689	1229.6	2.20	1.5683	1229.5	2.19	1.5677	1229.3
450	2.25	1.5762	1235.8	2.24	1.5756	1235.6	2.23	1.5750	1235.5	2.22	1.5744	1235.3
460	2.28	1.5827	1241.8	2.27	1.5821	1241.6	2.26	1.5815	1241.5	2.25	1.5809	1241.3
470	2.32	1.5891	1247.7	2.31	1.5885	1247.5	2.30	1.5879	1247.4	2.29	1.5873	1247.2
480	2.35	1.5953	1253.5	2.34	1.5947	1253.3	2.33	1.5941	1253.2	2.32	1.5935	1253.1
490	2.38	1.6014	1259.3	2.37	1.6009	1259.1	2.36	1.6003	1259.0	2.35	1.5997	1258.9
500	2.42	1.6074	1265.0	2.40	1.6069	1264.9	2.39	1.6063	1264.7	2.38	1.6057	1264.6
510	2.45	1.6133	1270.7	2.44	1.6128	1270.5	2.43	1.6122	1270.4	2.42	1.6116	1270.3
520	2.48	1.6191	1276.3	2.47	1.6185	1276.2	2.46	1.6180	1276.1	2.45	1.6174	1275.9
530	2.51	1.6248	1281.9	2.50	1.6242	1281.8	2.49	1.6236	1281.7	2.48	1.6231	1281.6
540	2.54	1.6304	1287.5	2.53	1.6298	1287.4	2.52	1.6292	1287.3	2.51	1.6287	1287.1
550	2.57	1.6359	1293.0	2.56	1.6353	1292.9	2.55	1.6347	1292.8	2.54	1.6342	1292.7
560	2.60	1.6413	1298.5	2.59	1.6407	1298.4	2.58	1.6402	1298.3	2.57	1.6396	1298.2
570	2.64	1.6466	1303.9	2.62	1.6461	1303.8	2.61	1.6455	1303.7	2.60	1.6449	1303.7
580	2.67	1.6519	1309.4	2.65	1.6513	1309.3	2.64	1.6508	1309.2	2.63	1.6502	1309.1
590	2.70	1.6571	1314.8	2.68	1.6565	1314.7	2.67	1.6560	1314.6	2.66	1.6554	1314.5
600	2.73	1.6622	1320.2	2.71	1.6616	1320.1	2.70	1.6611	1320.0	2.69	1.6605	1319.9
650	2.88	1.6868	1346.8	2.86	1.6862	1346.7	2.85	1.6857	1346.7	2.84	1.6852	1346.6
700	3.02	1.7100	1373.1	3.01	1.7094	1373.1	2.99	1.7089	1373.0	2.98	1.7084	1373.0
750	3.16	1.7320	1399.2	3.15	1.7315	1399.2	3.13	1.7310	1399.1	3.12	1.7304	1399.1
	•											
800	3.30	1.7531	1425.3	3.29	1.7526	1425.2	3.27	1.7521	1425.2	3.26	1.7516	1425.1
	•	1.7531 229			1.7526 230/			231			232	
800	3.30	229 [393-4]	1425.3	3.29	230/ [393.8]	1425.2	3.27	231 [394.2]	1425.2	3.26	232 [394-5]	1425.1
Sat.	•	229 [393-4]	1425.3		230/ [393.8] 1.5333	1425.2		231	1425.2	1.98	232 [394.5]	
800	3.30	229 [393.4] 1.5337 1.5386	1199.9	2.00	1.7526 230/ [393.8] 1.5333 1.5379	1199.9	3.27	231 [394.2] 1.5329 1.5373	1425.2	1.98	232 [394.5] 1.5325 1.5366	1200.0
800 Sat. 400	2.01 2.03 2.07	229 [393-4] 1.5337 1.5386 1.5460	1199.9 1204.2 1210.5	2.00 2.02 2.06	230/ [393.8] 1.5333 1.5379 1.5453	1199.9 1204.0 1210.3	1.99 2.01 2.05	231 [394.2] 1.5329 1.5373 1.5447	1200.0 1203.7 1210.1	1.98 2.00 2.04	1.7516 232 [394.5] 1.5325 1.5366 1.5440	1200.0 1203.5 1209.9
Sat. 400 410 420	2.01 2.03 2.07 2.11	1.7531 229 [393.4] 1.5337 1.5386 1.5460 1.5532	1199.9 1204.2 1210.5 1216.8	2.00 2.02 2.06 2.10	1.7526 230/ [393.8] 1.5333 1.5379 1.5453 1.5526	1199.9 1204.0 1210.3 1216.6	1.99 2.01 2.05 2.09	231 [394.2] 1.5329 1.5373 1.5447 1.5519	1200.0 1203.7 1210.1 1216.4	1.98 2.00 2.04 2.08	1.7516 232 [394.5] 1.5325 1.5366 1.5440 1.5513	1200.0 1203.5 1209.9 1216.3
Sat. 400 410 420 430	2.01 2.03 2.07 2.11 2.14	1.7531 229 [393-4] 1.5337 1.5386 1.5460 1.5532 1.5602	1199.9 1204.2 1210.5 1216.8 1223.0	2.00 2.02 2.06 2.10 2.13	1.7526 230/ [393.8] 1.5333 1.5379 1.5453 1.5526 1.5596	1199.9 1204.0 1210.3 1216.6 1222.8	1.99 2.01 2.05 2.09 2.12	1.7521 231 [394.2] 1.5329 1.5373 1.5447 1.5519 1.5589	1200.0 1203.7 1210.1 1216.4 1222.7	1.98 2.00 2.04 2.08 2.11	1.7516 232 [394.5] 1.5325 1.5366 1.5440 1.5513 1.5583	1200.0 1203.5 1209.9 1216.3 1222.5
Sat. 400 410 420	2.01 2.03 2.07 2.11	1.7531 229 [393.4] 1.5337 1.5386 1.5460 1.5532	1199.9 1204.2 1210.5 1216.8	2.00 2.02 2.06 2.10	1.7526 230/ [393.8] 1.5333 1.5379 1.5453 1.5526	1199.9 1204.0 1210.3 1216.6	1.99 2.01 2.05 2.09	231 [394.2] 1.5329 1.5373 1.5447 1.5519	1200.0 1203.7 1210.1 1216.4	1.98 2.00 2.04 2.08	1.7516 232 [394.5] 1.5325 1.5366 1.5440 1.5513	1200.0 1203.5 1209.9 1216.3
Sat. 400 410 420 430 440	2.01 2.03 2.07 2.11 2.14	1.7531 229 [393-4] 1.5337 1.5386 1.5460 1.5532 1.5602	1199.9 1204.2 1210.5 1216.8 1223.0 1229.1	2.00 2.02 2.06 2.10 2.13	1.7526 [393.8] 1.5333 1.5379 1.5453 1.5526 1.5596 1.5664 1.5731	1199.9 1204.0 1210.3 1216.6 1222.8 1229.0	1.99 2.01 2.05 2.09 2.12 2.15	1.7521 231 [394.2] 1.5329 1.5373 1.5447 1.5519 1.5589 1.5658 1.5725	1200.0 1203.7 1210.1 1216.4 1222.7 1228.8	1.98 2.00 2.04 2.08 2.11 2.14	1.7516 232 [394.5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719	1200.0 1203.5 1209.9 1216.3 1222.5 1228.6
Sat. 400 410 420 430 440	2.01 2.03 2.07 2.11 2.14 2.17	1.7531 229 [393-4] 1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5803	1199.9 1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2	2.00 2.02 2.06 2.10 2.13 2.16	230/ [393.8] 1.5333 1.5379 1.5453 1.5526 1.5596 1.5664 1.5731 1.5797	1199.9 1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0	1.99 2.01 2.05 2.09 2.15 2.19 2.22	231 [394.2] 1.5329 1.5373 1.5447 1.5519 1.5589 1.5658 1.5725 1.5725	1200.0 1203.7 1210.1 1216.4 1222.7 1228.8 1234.9	1.98 2.00 2.04 2.08 2.11 2.14 2.18 2.21	232 [394.5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784	1200.0 1203.5 1209.9 1216.3 1222.5 1228.6 1234.7
Sat. 400 410 420 430 440 450 460 470	2.01 2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27	1.7531 229 [393-4] 1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5803 1.5867	1199.9 1204.2 1210.5 1210.5 1223.0 1229.1 1235.2 1241.2	2.00 2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26	230/ [393.8] 1.5333 1.5379 1.5453 1.5596 1.5664 1.5731 1.5797 1.5861	1199.9 1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1246.9	1.99 2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25	231 [394.2] 1.5329 1.5373 1.5447 1.5519 1.5658 1.5725 1.5790 1.5855	1200.0 1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1240.9 1246.8	1.98 2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24	232 [394.5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849	1200.0 1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6
Sat. 400 410 420 430 440 460 470 480	2.01 2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31	1.7531 229 [393-4] 1.5337 1.5386 1.5460 1.5532 1.5602 1.5737 1.5803 1.5867 1.5803 1.5867	1199.9 1204.2 1210.5 1216.8 1223.0 1223.0 1241.2 1247.1 1252.9	2.00 2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26 2.30	230/ [393.8] 1.5333 1.5379 1.5453 1.5526 1.5526 1.5564 1.5731 1.5797 1.5861 1.5923	1199.9 1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1246.9 1252.8	1.99 2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29	231 [394.2] 1.5329 1.5373 1.5447 1.5589 1.5658 1.5725 1.5726 1.5726 1.5726 1.5726	1200.0 1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1240.9 1246.8 1252.7	1.98 2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24 2.28	232 [394.5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5911	1200.0 1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6 1252.5
Sat. 400 410 420 430 440 450 460 470	2.01 2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27	1.7531 229 [393-4] 1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5803 1.5867	1199.9 1204.2 1210.5 1210.5 1223.0 1229.1 1235.2 1241.2	2.00 2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26	230/ [393.8] 1.5333 1.5379 1.5453 1.5596 1.5664 1.5731 1.5797 1.5861	1199.9 1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1246.9	1.99 2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25	231 [394.2] 1.5329 1.5373 1.5447 1.5519 1.5658 1.5725 1.5790 1.5855	1200.0 1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1240.9 1246.8	1.98 2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24	232 [394.5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849	1200.0 1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7
Sat. 400 410 420 430 440 460 470 480	2.01 2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31	1.7531 229 [393-4] 1.5337 1.5386 1.5460 1.5532 1.5602 1.5737 1.5803 1.5867 1.5803 1.5867	1199.9 1204.2 1210.5 1216.8 1223.0 1223.0 1241.2 1247.1 1252.9	2.00 2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26 2.30	230/ [393.8] 1.5333 1.5379 1.5453 1.5526 1.5526 1.5564 1.5731 1.5797 1.5861 1.5923	1199.9 1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1246.9 1252.8	1.99 2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29	231 [394.2] 1.5329 1.5373 1.5447 1.5589 1.5658 1.5725 1.5726 1.5726 1.5726 1.5726	1200.0 1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1240.9 1246.8 1252.7	1.98 2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24 2.28	232 [394.5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5911	1200.0 1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6 1252.5
Sat. 400 410 420 430 440 450 460 470 480 490	2.01 2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31	1.7531 229 [393-4] 1.5337 1.5386 1.5460 1.5532 1.5670 1.5737 1.5803 1.5867 1.5929 1.5991 1.6051 1.6051	1199.9 1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1247.1 1252.9 1258.7 1264.5 1270.2	2.00 2.02 2.06 2.13 2.16 2.20 2.23 2.26 2.30 2.33 2.36 2.39	230/ [393.8] 1.5333 1.5379 1.5453 1.5526 1.55664 1.5731 1.5797 1.5861 1.5923 1.5985 1.6045 1.6104	1199.9 1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1252.8 1258.6 1264.4	1.99 2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32 2.35 2.38	231 [394.2] 1.5329 1.5373 1.5447 1.5589 1.5658 1.5725 1.5790 1.5855 1.5917 1.5979 1.6039 1.6039	1200.0 1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1246.8 1252.7 1258.5 1264.2 1269.9	3.26 1.98 2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24 2.28 2.31 2.34 2.37	232 [394.5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5779 1.5784 1.5849 1.5911 1.5973 1.6033 1.6092	1200.0 1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1246.6 1252.5 1258.3 1264.1 1269.8
Sat. 400 410 420 430 440 450 460 470 480 490 500	2.01 2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34	1.7531 229 [393-4] 1.5337 1.5386 1.5460 1.5532 1.5602 1.5737 1.5803 1.5863 1.5869 1.5929 1.5991 1.6051 1.6168	1199.9 1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1247.1 1252.9 1258.7	2.00 2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26 2.30 2.33 2.36 2.39 2.42	1.7526 230/ [393.8] 1.5333 1.5379 1.5453 1.5526 1.5596 1.5731 1.5791 1.5861 1.5923 1.5923 1.5985	1425.2 1199.9 1204.0 1210.3 1216.6 1222.8 12235.0 1241.0 1245.9 1252.8 1258.6	1.99 2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32 2.35 2.38 2.41	1.7521 231 [394.2] 1.5329 1.5373 1.5447 1.5519 1.5658 1.5725 1.5790 1.5855 1.5790 1.5855 1.5790 1.6039 1.6039 1.6038 1.6156	1200.0 1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1246.8 1252.7 1258.5 1264.2 1269.9 1275.6	1.98 2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24 2.28 2.31 2.34 2.37 2.40	1.7516 232 [394.5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5941 1.5943 1.6033 1.6092 1.6151	1200.0 1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1246.6 1252.5 1258.3 1264.1 1269.8 1275.5
Sat. 400 410 420 430 440 460 470 480 490 510	2.01 2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34 2.37 2.40 2.43 2.46	1.7531 229 [393-4] 1.5337 1.5386 1.5460 1.5532 1.5670 1.5737 1.5803 1.5867 1.5929 1.5929 1.6051 1.6110 1.6168 1.6225	1199.9 1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9 1258.7 1264.5 1270.2 1275.8 1281.4	2.00 2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.23 2.30 2.33 2.36 2.39 2.42 2.45	1.7526 230/ [393.8] 1.5333 1.5379 1.5453 1.5526 1.5596 1.5797 1.5861 1.5797 1.5861 1.5923 1.5925 1.6045 1.6162 1.6162 1.6219	1425.2 1199.9 1204.0 1210.3 1216.6 1222.8 1229.0 1241.0 1244.9 1252.8 1258.6 1264.4 1270.1 1275.7 1281.3	1.99 2.01 2.05 2.09 2.15 2.19 2.22 2.25 2.29 2.32 2.35 2.38 2.41 2.44	1.7521 231 [394.2] 1.5329 1.5373 1.5447 1.5519 1.5658 1.5725 1.5790 1.5857 1.5919 1.6039 1.6039 1.6039 1.6156 1.6213	1200.0 1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1240.9 1246.9 1252.7 1258.5 1264.2 1269.9 1275.6 1281.2	3.26 1.98 2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24 2.28 2.31 2.34 2.37 2.40 2.43	1.7516 232 [394.5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5911 1.5973 1.6033 1.6092 1.6151 1.6151 1.6208	1200.0 1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6 1252.5 1258.3 1264.1 1269.8 1275.5 1281.1
Sat. 400 410 420 430 440 450 460 470 480 490 510 520	2.01 2.03 2.07 2.11 2.14 2.17 2.21 2.21 2.24 2.31 2.34 2.37 2.40 2.43	1.7531 229 [393-4] 1.5337 1.5386 1.5460 1.5532 1.5602 1.5737 1.5803 1.5863 1.5869 1.5929 1.5991 1.6051 1.6168	1199.9 1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1247.1 1252.9 1258.7	2.00 2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26 2.30 2.33 2.36 2.39 2.42	1.7526 230/ [393.8] 1.5333 1.5379 1.5453 1.5526 1.5596 1.5731 1.5791 1.5861 1.5923 1.5923 1.5985	1425.2 1199.9 1204.0 1210.3 1216.6 1222.8 12235.0 1241.0 1245.9 1252.8 1258.6	1.99 2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32 2.35 2.38 2.41	1.7521 231 [394.2] 1.5329 1.5373 1.5447 1.5519 1.5658 1.5725 1.5790 1.5855 1.5790 1.5855 1.5790 1.6039 1.6039 1.6038 1.6156	1200.0 1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1246.8 1252.7 1258.5 1264.2 1269.9 1275.6	1.98 2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24 2.28 2.31 2.34 2.37 2.40	1.7516 232 [394.5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5941 1.5943 1.6033 1.6092 1.6151	1200.0 1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1240.7 1245.8 1252.5 1258.3
Sat. 400 410 420 430 440 450 450 550 550 550 550 550 550 55	2.01 2.03 2.07 2.11 2.17 2.21 2.24 2.27 2.31 2.34 2.40 2.43 2.46 2.50 2.53	1.7531 229 [393-4] 1.5337 1.5386 1.5460 1.5532 1.5670 1.5737 1.5863 1.5867 1.5929 1.5991 1.6051 1.6168 1.6225 1.6281 1.6336	1199.9 1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9 1258.7 1264.5 1270.2 1275.8 1281.4 1287.0	2.00 2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26 2.30 2.33 2.36 2.39 2.42 2.45 2.49	230/ [393.8] 1.5333 1.5379 1.5453 1.5526 1.5526 1.5526 1.5731 1.5797 1.5861 1.5923 1.5985 1.6045 1.6104 1.6104 1.6104 1.6219 1.6275 1.6331	1199.9 1204.0 1210.3 1216.6 1222.8 1222.8 1241.0 1246.9 1252.8 1258.6 1264.4 1270.1 1275.7 1281.3 1286.9	1.99 2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32 2.35 2.41 2.44 2.47 2.50	231 [394.2] 1.5329 1.5373 1.5447 1.5519 1.5658 1.5725 1.5725 1.5729 1.6039 1.6039 1.6039 1.6156 1.6213 1.6270	1200.0 1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1246.8 1252.7 1258.5 1264.2 1269.9 1275.6 1281.2 1286.8	3.26 1.98 2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24 2.28 2.31 2.34 2.37 2.40 2.43 2.46 2.49	232 [394.5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5583 1.5784 1.5784 1.5849 1.5911 1.5973 1.6033 1.6092 1.6151 1.6208 1.6264	1200.0 1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1246.6 1252.5 1258.3 1264.1 1269.8 1275.5 1281.1 1286.7
Sat. 400 410 420 430 440 450 460 470 520 530 540 550 560	2.01 2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34 2.46 2.50 2.53 2.56	1.7531 229 [393-4] 1.5337 1.5386 1.5460 1.5532 1.5670 1.5737 1.5863 1.5867 1.5929 1.5991 1.6051 1.6168 1.6225 1.6281 1.6336 1.6339	1199.9 1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1247.1 1252.9 1258.7 1264.5 1270.2 1275.8 1281.4 1287.0	2.00 2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.23 2.30 2.33 2.36 2.39 2.42 2.45 2.49	1.7526 230/ [393.8] 1.5333 1.5379 1.5453 1.5526 1.5564 1.5731 1.5797 1.5861 1.5923 1.5985 1.6045 1.6162 1.6219 1.6275 1.6331 1.6338	1425.2 1199.9 1204.0 1210.3 1216.6 1222.8 12235.0 1241.0 1246.9 1252.8 1258.6 1264.4 1275.7 1281.3 1286.9 1292.5 1292.5	1.99 2.01 2.05 2.09 2.15 2.19 2.22 2.25 2.32 2.35 2.38 2.41 2.44 2.47 2.50 2.53	1.7521 231 [394.2] 1.5329 1.5373 1.5447 1.5519 1.5658 1.5725 1.5790 1.5857 1.5919 1.6039 1.6039 1.6039 1.6213 1.6270	1200.0 1203.7 1210.1 1212.4 1222.8 1234.9 1246.9 1246.9 1252.7 1258.5 1264.2 1269.9 1275.6 1281.2 1286.8	3.26 1.98 2.00 2.04 2.08 2.11 2.14 2.28 2.31 2.34 2.37 2.40 2.43 2.46 2.49 2.52	1.7516 232 [394.5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5941 1.5973 1.6033 1.6092 1.6151 1.6208 1.6264 1.6319 1.6374	1200.0 1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1240.6 1252.5 1258.3 1264.1 1269.8 1275.5 1281.1 1286.7
Sat. 400 410 420 430 440 450 460 470 500 510 520 530 540 550 550 550	2.01 2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34 2.37 2.46 2.50 2.50 2.53 2.56 2.59	1.7531 229 [393.4] 1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5803 1.5867 1.5929 1.5991 1.6051 1.6168 1.6225 1.6281 1.6336 1.6336 1.6330 1.6330 1.6443	1199.9 1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1241.2 1252.9 1258.7 1264.5 1275.8 1281.4 1287.0 1292.6 1298.1 1303.6	2.00 2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.23 2.30 2.33 2.36 2.39 2.42 2.45 2.49	1.7526 230/ [393.8] 1.5333 1.5379 1.5453 1.5526 1.5596 1.5797 1.5861 1.5797 1.5861 1.5923 1.6045 1.6164 1.6164 1.6164 1.6219 1.6219 1.6238 1.6331 1.6385 1.6338 1.63438	1425.2 1199.9 1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1241.0 1242.9 1252.8 1258.6 1264.4 1275.7 1281.3 1286.9 1292.5 1298.0 1303.5	1.99 2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32 2.38 2.41 2.44 2.47 2.50 2.53 2.56	1.7521 231 [394.2] 1.5329 1.5373 1.5447 1.5519 1.5658 1.5725 1.5790 1.6939 1.6039 1.6039 1.6156 1.6213 1.6270 1.6325 1.6379 1.63379 1.6343	1200.0 1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1240.9 1246.9 1252.7 1258.5 1264.2 1269.9 1275.6 1281.2 1286.8	3.26 1.98 2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.28 2.31 2.34 2.37 2.40 2.43 2.46 2.49 2.52 2.55	1.7516 232 [394.5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5911 1.5973 1.6033 1.6092 1.6151 1.6208 1.6208 1.6319 1.63374 1.6427	1200.0 1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.5 1252.5 1258.3 1264.1 1269.8 1275.5 1281.1 1286.7
Sat. 400 410 420 440 440 450 450 520 530 5540 5560 5570 580	2.01 2.03 2.07 2.14 2.17 2.21 2.24 2.27 2.31 2.34 2.40 2.43 2.40 2.50 2.50 2.53 2.56 2.59 2.62	1.7531 229 [393-4] 1.5337 1.5386 1.5460 1.5532 1.5602 1.5737 1.5803 1.5867 1.5929 1.5991 1.6051 1.6105 1.6168 1.6281 1.6336 1.6336 1.6336 1.6336 1.6336 1.6443 1.6443	1199.9 1204.2 1210.5 1210.5 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9 1258.7 1264.5 1270.2 1275.8 1281.4 1287.0 1292.6 1298.1 1303.6 1309.0	2.00 2.02 2.06 2.13 2.16 2.20 2.23 2.26 2.30 2.33 2.36 2.39 2.42 2.42 2.49 2.55 2.58 2.61	230/ [393.8] I.5333 I.5379 I.5453 I.5596 I.5596 I.5797 I.5861 I.5797 I.5861 I.5923 I.5985 I.6045 I.6162 I.6219 I.6275 I.6331 I.6385 I.6438 I.6438 I.6491	1199.9 1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1246.9 1252.8 1252.8 1270.1 1275.7 1281.3 1286.9 1292.5 1298.0 1303.5 1308.9	1.99 2.01 2.05 2.09 2.12 2.15 2.22 2.25 2.29 2.32 2.38 2.41 2.44 2.47 2.50 2.53 2.56 2.59	1.7521 231 [394.2] 1.5329 1.5373 1.5447 1.5558 1.5725 1.5790 1.6399 1.6039 1.6039 1.6156 1.6213 1.6220 1.6325 1.6325 1.6325 1.6321 1.6323 1.6433 1.6485	1200.0 1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1240.9 1246.8 1252.7 1258.5 1264.2 1269.9 1275.6 1281.2 1286.8	3.26 1.98 2.00 2.04 2.14 2.18 2.21 2.24 2.28 2.31 2.34 2.37 2.40 2.43 2.46 2.49 2.55 2.55 2.58	1.7516 232 [394.5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5911 1.5973 1.6033 1.6092 1.6151 1.6208 1.6208 1.6208 1.6319 1.6374 1.6427	1200.0 1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6 1252.5 1258.3 1264.1 1269.8 1275.5 1281.1 1286.7
Sat. 400 410 420 430 440 450 460 470 500 510 520 530 540 550 550 550	2.01 2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34 2.37 2.46 2.50 2.50 2.53 2.56 2.59	1.7531 229 [393.4] 1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5803 1.5867 1.5929 1.5991 1.6051 1.6168 1.6225 1.6281 1.6336 1.6336 1.6330 1.6330 1.6443	1199.9 1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1241.2 1252.9 1258.7 1264.5 1275.8 1281.4 1287.0 1292.6 1298.1 1303.6	2.00 2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.23 2.30 2.33 2.36 2.39 2.42 2.45 2.49	1.7526 230/ [393.8] 1.5333 1.5379 1.5453 1.5526 1.5596 1.5797 1.5861 1.5797 1.5861 1.5923 1.6045 1.6164 1.6164 1.6164 1.6219 1.6219 1.6238 1.6331 1.6385 1.6338 1.63438	1425.2 1199.9 1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1241.0 1242.9 1252.8 1258.6 1264.4 1275.7 1281.3 1286.9 1292.5 1298.0 1303.5	1.99 2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32 2.38 2.41 2.44 2.47 2.50 2.53 2.56	1.7521 231 [394.2] 1.5329 1.5373 1.5447 1.5519 1.5658 1.5725 1.5790 1.6939 1.6039 1.6039 1.6156 1.6213 1.6270 1.6325 1.6379 1.63379 1.6343	1200.0 1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1240.9 1246.9 1252.7 1258.5 1264.2 1269.9 1275.6 1281.2 1286.8	3.26 1.98 2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.28 2.31 2.34 2.37 2.40 2.43 2.46 2.49 2.52 2.55	1.7516 232 [394.5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5911 1.5973 1.6033 1.6092 1.6151 1.6208 1.6208 1.6319 1.63374 1.6427	1200.0 1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6 1252.5 1258.3 1264.1 1269.8 1275.5 1281.1 1286.7
Sat. 400 410 420 430 440 450 460 470 480 490 500 550 550 550 550 600	2.01 2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34 2.46 2.50 2.56 2.59 2.62 2.65 2.68	1.7531 229 [393-4] 1.5337 1.5386 1.5460 1.5532 1.5670 1.5737 1.5803 1.5867 1.5929 1.5929 1.6051 1.6168 1.6225 1.6281 1.6336 1.6336 1.6336 1.6336 1.6436 1.6496 1.6548 1.6600	1199.9 1204.2 1210.5 1216.8 1223.0 1223.1 1235.2 1247.1 1252.9 1258.7 1264.5 1275.8 1281.4 1298.1 1303.6 1309.0 1314.4 1319.8	2.00 2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.23 2.30 2.33 2.36 2.39 2.42 2.45 2.49 2.55 2.58 2.61 2.64	1.7526 230/ [393.8] 1.5333 1.5379 1.5453 1.5526 1.5526 1.5797 1.5864 1.5731 1.5797 1.5862 1.6045 1.6162 1.6162 1.6162 1.6219 1.6275 1.6331 1.6385 1.6438 1.6491 1.6543 1.6594	1425.2 1199.9 1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1241.0 1242.8 1252.8 1258.6 1264.4 1270.7 1281.3 1286.9 1292.5 1303.5 1308.9 1314.3 1319.7	1.99 2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.32 2.35 2.34 2.44 2.47 2.50 2.53 2.56 2.59 2.62 2.65	1.7521 231 [394.2] 1.5329 1.5373 1.5447 1.5519 1.5658 1.5725 1.5790 1.6039 1.6039 1.6039 1.6156 1.6213 1.6270 1.6325 1.6379 1.6433 1.6485 1.6537	1200.0 1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1240.9 1246.9 1252.7 1258.5 1264.2 1269.9 1275.6 1281.2 1286.8 1292.4 1308.8 1314.2 1319.7	3.26 1.98 2.00 2.04 2.08 2.11 2.14 2.28 2.31 2.34 2.37 2.40 2.43 2.46 2.49 2.52 2.55 2.58 2.61	1.7516 232 [394.5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5973 1.6033 1.6093 1.6151 1.6208 1.6264 1.6319 1.6374 1.6427 1.6480 1.6532 1.6583	1200.0 1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6 1252.5 1258.3 1264.1 1269.8 1275.5 1281.1 1286.7 1292.3 1303.3 1308.7 1314.2
Sat. 400 410 420 430 440 450 550 550 550 550 650 650 650	2.01 2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34 2.40 2.43 2.46 2.50 2.53 2.56 2.59 2.62 2.65 2.68 2.82	1.7531 229 [393-4] 1.5337 1.5386 1.5460 1.5532 1.5602 1.5737 1.5803 1.5867 1.5929 1.5991 1.6051 1.6110 1.6168 1.6281 1.6336 1.6336 1.6336 1.6348 1.6443 1.6548 1.6600 1.6644	1199.9 1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9 1258.7 1264.5 1270.2 1275.8 1281.4 1287.0 1292.6 1303.6 1309.0 1314.4 1319.8 1346.5	2.00 2.02 2.06 2.13 2.16 2.20 2.23 2.26 2.30 2.33 2.42 2.42 2.45 2.49 2.55 2.55 2.61 2.64 2.67 2.81	230/ [393.8] 1.5333 1.5379 1.5453 1.5596 1.5596 1.5797 1.5861 1.5797 1.5861 1.5923 1.5985 1.6045 1.6162 1.6219 1.6275 1.6385 1.6485 1.6495 1.6585 1.6495 1.6584 1.6495 1.6	1425.2 1199.9 1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1246.9 1252.8 1252.8 1270.1 1275.7 1281.3 1286.9 1292.5 1303.5 1308.9 1314.3 1319.7 1346.5	1.99 2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32 2.38 2.41 2.44 2.47 2.50 2.53 2.56 2.59 2.62 2.65 2.80	1.7521 231 [394.2] 1.5329 1.5373 1.5447 1.5558 1.5725 1.5790 1.6399 1.6039 1.6156 1.6213 1.6270 1.6325 1.6379 1.6325 1.6379 1.6339 1.6433 1.6485 1.6537	1200.0 1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1240.9 1246.8 1252.7 1258.5 1264.2 1269.9 1275.6 1281.2 1286.8 1297.9 1303.4 1308.8 1314.2 1319.7 1346.4	3.26 1.98 2.00 2.04 2.08 2.11 2.14 2.28 2.31 2.34 2.37 2.40 2.43 2.43 2.46 2.49 2.55 2.55 2.58 2.61 2.64 2.79	1.7516 232 [394.5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5911 1.5973 1.6033 1.6092 1.6151 1.6208 1.6264 1.6319 1.6374 1.6427 1.6480 1.6532 1.6583 1.6583	1200.0 1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6 1252.5 1258.3 1264.I 1269.8 1275.5 1281.I 1286.7 1292.3 1303.3 1303.7 1314.2 1319.6 1346.3
Sat. 400 410 420 430 440 450 510 520 530 540 550 560 550 560 650 700	2.01 2.03 2.07 2.11 2.17 2.21 2.22 2.31 2.34 2.46 2.50 2.53 2.56 2.59 2.62 2.65 2.68 2.82 2.97	1.7531 229 [393-4] 1.5337 1.5386 1.5460 1.5532 1.5670 1.5737 1.5803 1.5867 1.5929 1.5991 1.6051 1.6168 1.6225 1.6281 1.6336 1.6346 1.6346 1.6348 1.6496 1.6548 1.6600 1.6846 1.7078	1199.9 1204.2 1210.5 1210.5 1210.5 1223.0 1229.1 1235.2 1247.1 1252.9 1247.2 1275.8 1281.4 1287.0 1292.6 1298.1 1303.6 1399.0 1314.4 1319.8 1346.5 1372.9	2.00 2.02 2.06 2.13 2.16 2.20 2.23 2.26 2.30 2.33 2.36 2.39 2.42 2.49 2.52 2.58 2.61 2.64 2.67 2.81 2.95	1.7526 230/ [393.8] 1.5333 1.5379 1.5453 1.5526 1.5596 1.5731 1.5797 1.5861 1.5923 1.5985 1.6045 1.6162 1.6219 1.6275 1.6331 1.6343 1.6491 1.6543 1.6594 1.6841 1.7073	1425.2 1199.9 1204.0 1210.3 1216.8 1222.8 1229.0 1235.0 1246.9 1252.8 1252.8 1275.7 1281.3 1286.9 1292.5 1298.0 1303.6 1303.6 1303.6 1303.6 1319.7 1346.5 1372.8	1.99 2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32 2.35 2.41 2.44 2.47 2.50 2.536 2.59 2.62 2.65 2.80 2.94	1.7521 231 [394.2] 1.5329 1.5373 1.5447 1.55589 1.5658 1.5725 1.5979 1.6039 1.6039 1.60213 1.6270 1.6325 1.6375 1.6375 1.6375 1.6385 1.6485 1.6537	1425.2 1200.0 1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1246.8 1252.7 1258.5 1264.2 1269.9 1275.6 1281.2 1286.8 1292.4 1292.4 1292.4 1293.3 1303.4 1303.4 1314.2	3.26 1.98 2.00 2.04 2.08 2.11 2.14 2.28 2.31 2.34 2.37 2.40 2.43 2.45 2.55 2.55 2.58 2.61	1.7516 232 [394.5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5583 1.5651 1.5719 1.5784 1.5849 1.5911 1.5973 1.6033 1.6092 1.6151 1.6208 1.6264 1.6319 1.63427 1.6480 1.6532	1200.0 1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1246.6 1252.5 1258.3 1264.1 1269.8 1275.5 1286.7 1292.3 1297.3 1297.3 1308.7 1314.2 1319.6 1346.3 1372.7
800 Sat. 400 410 420 430 440 450 480 490 510 520 530 540 650 600 650	2.01 2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34 2.40 2.43 2.46 2.50 2.53 2.56 2.59 2.62 2.65 2.68 2.82	1.7531 229 [393-4] 1.5337 1.5386 1.5460 1.5532 1.5602 1.5737 1.5803 1.5867 1.5929 1.5991 1.6051 1.6110 1.6168 1.6281 1.6336 1.6336 1.6336 1.6348 1.6443 1.6548 1.6600 1.6644	1199.9 1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9 1258.7 1264.5 1270.2 1275.8 1281.4 1287.0 1292.6 1303.6 1309.0 1314.4 1319.8 1346.5	2.00 2.02 2.06 2.13 2.16 2.20 2.23 2.26 2.30 2.33 2.42 2.42 2.45 2.49 2.55 2.55 2.61 2.64 2.67 2.81	230/ [393.8] 1.5333 1.5379 1.5453 1.5596 1.5596 1.5797 1.5861 1.5797 1.5861 1.5923 1.5985 1.6045 1.6162 1.6219 1.6275 1.6385 1.6485 1.6495 1.6585 1.6495 1.6584 1.6495 1.6	1425.2 1199.9 1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1246.9 1252.8 1252.8 1270.1 1275.7 1281.3 1286.9 1292.5 1303.5 1308.9 1314.3 1319.7 1346.5	1.99 2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32 2.38 2.41 2.44 2.47 2.50 2.53 2.56 2.59 2.62 2.65 2.80	1.7521 231 [394.2] 1.5329 1.5373 1.5447 1.5558 1.5725 1.5790 1.6399 1.6039 1.6156 1.6213 1.6270 1.6325 1.6379 1.6325 1.6379 1.6339 1.6433 1.6485 1.6537	1200.0 1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1240.9 1246.8 1252.7 1258.5 1264.2 1269.9 1275.6 1281.2 1286.8 1297.9 1303.4 1308.8 1314.2 1319.7 1346.4	3.26 1.98 2.00 2.04 2.08 2.11 2.14 2.28 2.31 2.34 2.37 2.40 2.43 2.43 2.46 2.49 2.55 2.55 2.58 2.61 2.64 2.79	1.7516 232 [394.5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5911 1.5973 1.6033 1.6092 1.6151 1.6208 1.6264 1.6319 1.6374 1.6427 1.6480 1.6532 1.6583 1.6583	1200.0 1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6 1252.5 1258.3 1264.1 1269.8 1275.5 1281.1 1286.7 1292.3 1303.3 1308.7 1314.2 1319.6 1346.3

Pres- sure		233 [394.9]			234 [395-3]			235 [395.6]			236 [396.0]	
Temp	٧	8	i	•		i	•		i	•	8	i
Sat.	1.98	1.5321	1200.0	1.97	1.5318	1200.1	1.96	1.5314	1200.1	1.95	1.5310	1200.1
400	2.00	1.5360	1203.3	1.99	1.5353	1203.1	1.98	1.5346	1202.9	1.97	1.5340	1202.7
410	2.03	1.5434	1209.8	2.02	1.5427	1209.6	2.01	1.5421	1209.4	2.00	1.5414	1209.2
420	2.07	1.5506	1216.1	2.06	1.5500	1215.9	2.05	1.5494	1215.7	2.04	1.5487	1215.5
430	2.10	1.5576	1222.3	2.09	1.5570	1222.1	2.08	1.5564	1222.0	2.07	1.5558	1221.8
440	2.13	1.5645	1228.5	2.12	1.5639	1228.3	2.11	1.5633	1228.2	2.10	1.5627	1228.0
450	2.17	1.5712	1234.6	2.16	1.5706	1234.4	2.15	1.5700	1234.3	2.14	1.5694	1234.1
460	2.20	1.5778	1240.6	2.19	1.5772	1240.4	2.18	1.5766	1240.3	2.17	1.5760	1240.1
470	2.23	1.5842	1246.5	2.22	1.5836	1246.4	2.21	1.5831	1246.2	2.20	1.5825	1246.1
480	2.26	1.5905	1252.4	2.25	1.5899	1252.3	2.24	1.5894	1252.1	2.23	1.5888	1251.9
490	2.30	1.5967	1258.2	2.29	1.5961	1258.1	2.28	1.5955	1257.9	2.27	1.5950	1257.8
500	2.33	1.6028	1264.0	2.32	1.6022	1263.9	2.31	1.6016	1263.7	2.30	1.6010	1263.6
510	2.36	1.6087	1269.7	2.35	1.6081	1269.6	2.34	1.6075	1269.5	2.33	1.6070	1269.3
520	2.39	1.6145	1275.4	2.38	1.6139	1275.3	2.37	1.6134	1275.1	2.36	1.6128	1275.0
530	2.42	1.6202	1281.0	2.41	1.6196	1280.9	2.40	1.6191	1280.8	2.39	1.6186	1280.7
540	2.45	1.6258	1286.6	2.44	1.6253	1286.5	2.43	1.6247	1286.4	2.42	1.6242	1286.3
550	2.48	1.6314	1292.2	2.47	1.6308	1292.1	2.46	1.6303	1292.0	2.45	1.6297	1291.9
560	2.51	1.6368	1297.7	2.50	1.6363	1297.6	2.49	1.6357	1297.5	2.48	1.6352	1297.4
570	2.54	1.6422	1303.2	2.53	1.6416	1303.1	2.52	1.6411	1303.0	2.51	1.6405	1302.9
580	2.57	1.6475	1308.6	2.56	1.6469	1308.6	2.55	1.6464	1308.5	2.54	1.6458	1308.4
590	2.60	1.6527	1314.1	2.59	1.6521	1314.0	2.58	1.6516	1313.9	2.57	1.6510	1313.8
600	2.63	1.6578	1319.5	2.62	1.6573	1319.4	2.61	1.6567	1319.3	2.60	1.6562	1319.2
650	2.77	1.6825	1346-3	2.76	1.6820	1346.2	2.75	1.6815	1346.1	2.74	1.6809	1346.0
700	2.91	1.7058	1372.7	2.90	1.7053	1372.6	2.89	1.7047	1372.5	2.88	1.7042	1372.5
750	3.05	1.7279	1398.9	3.04	1.7274	1398.8	3.03	1.7269	1398.8	3.01	1.7264	1398.7
800	3.19	1.7490	1424.9	3.17	1.7485	1424.9	3.16	1.7480	1424.9	3.15	1.7475	1424.8
		237 [396.4]			238 [396.8]			239 [397.1]			240 [397.5]	
Sat.	1.95	[396.4]	1200.2	1.04	[396.8]	1200.2	1.03	[397.1]	1200.2	1.92	[397.5]	1200.3
		[396.4]	1200.2	1.94	[396.8] 1.5302	1200.2	1.93	[397.1]	1200.2	1.92	[397.5]	1200.3
400	1.96	[396.4] 1.5306 1.5333	1202.5	1.95	[396.8] 1.5302 1.5327	1202.3	1.94	[397.1] 1.5299 1.5320	1202.2	1.93	[397.5] 1.5295 1.5314	1202.0
400 410	1.96	[396.4] 1.5306 1.5333 1.5408	1202.5	1.95	[396.8] 1.5302 1.5327 1.5402	1202.3	1.94	[397.1] 1.5299 1.5320 1.5395	1202.2	1.93	[397.5] 1.5295 1.5314 1.5389	1202.0
400 410 420	1.96 1.99 2.03	[396.4] 1.5306 1.5333 1.5408 1.5481	1202.5 1209.0 1215.4	1.95 1.98 2.02	[396.8] 1.5302 1.5327 1.5402 1.5474	1202.3 1208.8 1215.2	1.94 1.97 2.01	[397.1] 1.5299 1.5320 1.5395 1.5468	1202.2 1208.6 1215.0	1.93 1.96 2.00	[397.5] 1.5295 1.5314 1.5389 1.5462	1202.0 1208.4 1214.8
400 410	1.96	[396.4] 1.5306 1.5333 1.5408	1202.5	1.95	[396.8] 1.5302 1.5327 1.5402	1202.3	1.94	[397.1] 1.5299 1.5320 1.5395	1202.2	1.93	[397.5] 1.5295 1.5314 1.5389	1202.0
400 410 420 430	1.96 1.99 2.03 2.06 2.09	[396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621	1202.5 1209.0 1215.4 1221.6 1227.8	1.95 1.98 2.02 2.05 2.08	[396.8] 1.5302 1.5327 1.5402 1.5474 1.5545 1.5614	1202.3 1208.8 1215.2 1221.5 1227.7	1.94 1.97 2.01 2.04 2.07	[397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608	1202.2 1208.6 1215.0 1221.3 1227.5	1.93 1.96 2.00 2.03 2.07	[397.5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602	1202.0 1208.4 1214.8 1221.1 1227.3
400 410 420 430 440	1.96 1.99 2.03 2.06 2.09	[396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688	1202.5 1209.0 1215.4 1221.6 1227.8	1.95 1.98 2.02 2.05 2.08	[396.8] 1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682	1202.3 1208.8 1215.2 1221.5 1227.7	1.94 1.97 2.01 2.04 2.07	[397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608	1202.2 1208.6 1215.0 1221.3 1227.5	1.93 1.96 2.00 2.03 2.07	[397.5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602	1202.0 1208.4 1214.8 1221.1 1227.3
400 410 420 430 440	1.96 1.99 2.03 2.06 2.09	1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754	1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0	1.95 1.98 2.02 2.05 2.08	[396.8] 1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748	1202.3 1208.8 1215.2 1221.5 1227.7	1.94 1.97 2.01 2.04 2.07	[397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742	1202.2 1208.6 1215.0 1221.3 1227.5	1.93 1.96 2.00 2.03 2.07 2.10 2.13	[397.5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5670 1.5736	1202.0 1208.4 1214.8 1221.1 1227.3
400 410 420 430 440 450 460	1.96 1.99 2.03 2.06 2.09	[396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688	1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9	1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18	[396.8] 1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748 1.5813	1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1239.8 1245.8	1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17	[397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807	1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6	1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16	[397.5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5670 1.5736 1.5801	1202.0 1208.4 1214.8 1221.1 1227.3
400 410 420 430 440 450 460 470	1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19	[396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5819	1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0	1.95 1.98 2.02 2.05 2.08	[396.8] 1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748	1202.3 1208.8 1215.2 1221.5 1227.7	1.94 1.97 2.01 2.04 2.07	[397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742	1202.2 1208.6 1215.0 1221.3 1227.5	1.93 1.96 2.00 2.03 2.07 2.10 2.13	[397.5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5670 1.5736	1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1239.5 1245.5
400 410 420 430 440 450 460 470 480	1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22	1.5306 1.5336 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5819 1.5882 1.5944	1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9 1251.8 1257.7	1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21	1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748 1.5813 1.5876 1.5938	1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1239.8 1245.8 1251.7 1257.5	1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24	[397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5668 1.5742 1.5807 1.5870	1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1257.4	1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19	1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5670 1.5736 1.5801 1.5864 1.5926	1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1239.5 1245.5 1251.4
400 410 420 430 440 450 450 470 480 490	1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.26	1.5306 1.5336 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5819 1.5882 1.5944 1.6004	1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9 1251.8 1257.7	1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25	1.5302 1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748 1.5813 1.5876 1.5938	1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1239.8 1245.8 1251.7 1257.5	1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24	[397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807 1.5870 1.5932	1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1251.6 1257.4	1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23	1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5736 1.5736 1.5864 1.5926	1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1239.5 1245.5 1251.4
400 410 420 430 440 450 460 470 480 490	1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.26	1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5819 1.5882 1.5944	1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9 1251.8 1257.7	1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25 2.28 2.31	1.5302 1.5327 1.5402 1.5474 1.5545 1.5612 1.5682 1.5783 1.5876 1.5938	1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1239.8 1245.8 1251.7 1257.5	1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.27 2.30	[397.1] 1.5299 1.5320 1.5395 1.5468 1.5569 1.5676 1.5742 1.5870 1.5870 1.5932	1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1251.6 1257.4	1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23	1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5736 1.5801 1.5864 1.5926 1.5987 1.6047	1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1239.5 1245.5 1251.4 1257.3 1268.8
400 410 420 430 440 450 460 470 480 490 510	1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.26	1.5306 1.5336 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5819 1.5882 1.5944 1.6004	1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9 1251.8 1257.7	1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25 2.28 2.31 2.34	1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748 1.5813 1.5876 1.5938 1.5938	1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1245.8 1251.7 1257.5	1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.27 2.30 2.33	[397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807 1.5870 1.5932	1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1251.6 1257.4	1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.32	1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5736 1.5736 1.5864 1.5926	1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1239.5 1245.5 1251.4 1257.3
400 410 420 430 440 450 460 470 480 490 510 520	1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.26	1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5882 1.5944 1.6004 1.6004 1.6122	1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9 1251.8 1257.7 1263.5 1269.2 1274.9 1280.6	1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25 2.28 2.31	1.5302 1.5327 1.5402 1.5474 1.5545 1.5612 1.5682 1.5783 1.5876 1.5938	1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1239.8 1245.8 1251.7 1257.5	1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.27 2.30	[397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807 1.5870 1.5932	1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1257.4 1263.2 1269.0 1274.7	1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23	1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5736 1.5801 1.5864 1.5926 1.5987 1.6047	1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1251.4 1257.3
400 410 420 430 440 450 460 470 480 490 510 520 530	1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.26 2.29 2.32 2.32 2.38 2.41	1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.57882 1.5819 1.5882 1.5944 1.6004 1.6122 1.6180 1.6236	1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1245.9 1251.8 1257.7 1263.5 1269.2 1274.9 1286.6	1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25 2.28 2.31 2.34 2.37 2.40	1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748 1.5813 1.5876 1.5938 1.5999 1.6058 1.6117 1.6174	1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1239.8 1245.8 1251.7 1257.5 1263.3 1269.1 1274.8 1280.5 1286.1	1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.27 2.30 2.33 2.36 2.39	[397.1] 1.5299 1.5320 1.5395 1.5468 1.5568 1.5576 1.5742 1.5870 1.5932 1.6052 1.6111 1.6168 1.6225	1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1251.6 1257.4 1263.2 1269.0 1274.7 1280.3 1286.0	1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.32 2.35	1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5736 1.5864 1.5926 1.5926 1.5926 1.5926 1.5926 1.5926	1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1251.4 1257.3 1268.8 1274.5 1280.2 1285.9
400 410 420 430 440 450 460 470 480 490 510 520 530 540	1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.26 2.29 2.32 2.35 2.38	[396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5819 1.5882 1.5944 1.6004 1.6122 1.6180 1.6236	1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9 1251.8 1257.7 1263.5 1269.2 1274.9 1280.6 1286.2	1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25 2.28 2.31 2.34 2.37 2.40	1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748 1.5876 1.5938 1.6058 1.6174 1.6174 1.6231	1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1239.8 1245.8 1251.7 1257.5 1263.3 1269.1 1274.8 1280.5 1286.1	1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.27 2.30 2.33 2.36 2.39	[397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807 1.5870 1.5932 1.6052 1.6111 1.6168 1.6225	1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1251.6 1257.4 1269.0 1274.7 1280.3 1286.0	1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.32 2.35 2.38	1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5670 1.5736 1.5864 1.5926 1.5987 1.6047 1.6105 1.6163 1.6220	1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1251.4 1257.3 1268.8 1274.5 1280.2 1285.9
400 410 420 430 440 450 460 470 480 490 510 520 530 540 560 560 570	1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.26 2.29 2.32 2.35 2.38 2.41	1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.57882 1.5819 1.5882 1.5944 1.6004 1.6122 1.6180 1.6236	1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9 1251.8 1257.7 1263.5 1269.2 1274.9 1286.6 1286.2	1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25 2.28 2.31 2.34 2.37 2.40	1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748 1.5813 1.5876 1.5938 1.5938 1.6058 1.6174 1.6231 1.6231	1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1245.8 1251.7 1257.5 1263.3 1269.1 1274.8 1280.5 1286.1	1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.27 2.30 2.33 2.36 2.39	[397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807 1.5870 1.5932 1.6052 1.6111 1.6168 1.6225	1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1251.6 1257.4 1263.2 1269.0 1274.7 1280.3 1286.0	1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.32 2.35	1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5736 1.5864 1.5926 1.5926 1.5926 1.5926 1.5926 1.5926	1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1251.4 1257.3 1268.8 1274.5 1280.2 1285.9
400 410 420 430 440 450 460 470 480 490 510 520 530 540 560 570 580	1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.22 2.26 2.22 2.35 2.38 2.41	1.5306 1.5336 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5819 1.5882 1.5944 1.6004 1.6004 1.6122 1.6180 1.6236	1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9 1251.8 1257.7 1263.5 1269.2 1274.9 1280.6 1286.2	1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25 2.28 2.31 2.37 2.40 2.43 2.46 2.49	1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748 1.5813 1.5876 1.5999 1.6058 1.6174 1.6231 1.6231	1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1239.8 1245.8 1257.5 1263.3 1269.1 1274.8 1280.5 1280.5 1291.6	1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.27 2.30 2.33 2.36 2.39 2.42 2.45 2.48	[397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807 1.5870 1.5932 1.6923 1.6052 1.6111 1.6168 1.6225	1202.2 1208.6 1215.0 1227.5 1227.5 1233.6 1239.7 1245.6 1257.4 1263.2 1269.0 1274.7 1280.3 1286.0	1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.35 2.38 2.41 2.44 2.46	1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5670 1.5736 1.5861 1.5864 1.5926 1.605 1.6163 1.6220	1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1251.4 1257.3 1268.8 1274.5 1280.2 1285.9
400 410 420 430 440 450 460 470 480 490 510 520 530 540 560 560 570	1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.26 2.32 2.32 2.38 2.41 2.44 2.47 2.50	1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5882 1.5944 1.6004 1.6004 1.6122 1.6180 1.6236 1.6236	1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9 1251.8 1257.7 1263.5 1269.2 1274.9 1286.6 1286.2	1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25 2.28 2.31 2.34 2.37 2.40	1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748 1.5813 1.5876 1.5938 1.5938 1.6058 1.6174 1.6231 1.6231	1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1245.8 1251.7 1257.5 1263.3 1269.1 1274.8 1280.5 1286.1	1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.27 2.30 2.33 2.36 2.39	[397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807 1.5870 1.5932 1.6052 1.6111 1.6168 1.6225	1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1257.4 1263.2 1269.0 1274.7 1280.3 1286.0	1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.32 2.35 2.38	1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5736 1.5801 1.5801 1.5926 1.5927 1.6105 1.6103 1.6103 1.6220 1.6230 1.6330 1.6330	1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1257.3 1263.1 1268.8 1274.5 1280.2 1285.9
400 410 420 430 440 450 460 470 480 490 510 520 530 540 560 570 580	1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.26 2.32 2.35 2.38 2.41 2.44 2.47 2.50 2.53	1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5882 1.5944 1.6004 1.6122 1.6180 1.6236 1.6292 1.6346 1.6400 1.6453 1.6505	1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9 1251.8 1257.7 1263.5 1269.2 1274.9 1286.2 1291.8 1297.3 1302.8 1308.3 1313.7	1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25 2.31 2.34 2.37 2.40 2.43 2.49 2.52 2.54	1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748 1.5813 1.5876 1.5938 1.6058 1.6174 1.6231 1.6231 1.6236 1.6394 1.6394 1.6447 1.6500	1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1239.8 1245.8 1251.7 1257.5 1263.3 1269.1 1274.8 1280.5 1286.1 1291.6 1297.2 1302.7 1308.2 1313.6	1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.27 2.30 2.33 2.36 2.39 2.42 2.45 2.48 2.50 2.53	[397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807 1.5870 1.5932 1.6052 1.6111 1.6168 1.6225 1.6280 1.6335 1.6389 1.6442 1.6495	1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1251.6 1257.4 1269.0 1274.7 1280.3 1286.0 1291.5 1297.1 1302.6 1308.1 1313.6	1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.32 2.35 2.38 2.41 2.44 2.46 2.49 2.52	1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5670 1.5736 1.5864 1.5926 1.5926 1.6163 1.6220 1.6275 1.6330 1.6384 1.6487 1.6489	1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1251.4 1257.3 1268.8 1274.5 1280.2 1285.9 1291.4 1297.0 1302.5 1308.0
400 410 420 430 440 450 450 490 500 510 520 530 540 550 560 570 580 590	1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.26 2.32 2.33 2.41 2.44 2.47 2.50 2.53 2.56	1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5819 1.5882 1.5944 1.6004 1.6004 1.6122 1.6180 1.6236 1.6236 1.6236 1.6236 1.6236 1.6236 1.6346 1.6453 1.6557	1202.5 1209.0 1215.4 1221.6 1227.8 1240.0 1245.9 1251.8 1257.7 1263.5 1269.2 1274.9 1286.6 1286.2 1291.8 1302.8 1303.3 1313.7	1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25 2.28 2.31 2.37 2.40 2.49 2.52 2.54	1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748 1.5813 1.5876 1.5938 1.5938 1.6174 1.6231 1.6231 1.6246 1.6341 1.6394 1.6394 1.6447 1.6500 1.6551	1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1245.8 1251.7 1257.5 1263.3 1269.1 1274.8 1280.5 1286.1 1291.6 1297.2 1302.7 1308.2 1313.6	1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.27 2.30 2.33 2.36 2.39 2.42 2.45 2.48 2.50 2.53	1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807 1.5870 1.5932 1.6052 1.6111 1.6168 1.6225 1.6280 1.6335 1.6389 1.6442 1.6495	1202.2 1208.6 1215.0 1215.0 1227.5 1233.6 1239.7 1245.6 1257.4 1263.2 1269.0 1274.7 1280.3 1286.0 1291.5 1302.6 1308.1 1313.6	1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.23 2.26 2.29 2.35 2.38 2.41 2.44 2.46 2.49 2.52	1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5670 1.5736 1.5864 1.5926 1.5987 1.6047 1.6105 1.6103 1.6220 1.6275 1.6330 1.6384 1.6437 1.6489	1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1257.3 1263.1 1268.8 1274.5 1280.2 1285.9 1291.4 1297.0 1302.5 1308.0
400 410 420 430 440 450 450 490 500 510 520 530 540 550 560 570 580 590	1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.26 2.32 2.35 2.38 2.41 2.44 2.47 2.50 2.53 2.56	1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5819 1.5882 1.5944 1.6004 1.6062 1.6180 1.6292 1.6346 1.6400 1.6453 1.6557 1.6804	1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9 1251.8 1257.7 1263.5 1269.2 1274.9 1280.6 1286.2 1291.8 1302.8 1308.3 1313.7	1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25 2.31 2.34 2.37 2.40 2.43 2.49 2.52 2.54	1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748 1.5813 1.5876 1.5938 1.5938 1.6174 1.6231 1.6231 1.6234 1.6394 1.6394 1.6394 1.6394 1.6394 1.6394 1.6396	1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1245.8 1251.7 1257.5 1263.3 1269.1 1274.8 1280.5 1280.5 1291.6 1297.2 1308.2 1313.6	1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.33 2.36 2.39 2.42 2.45 2.48 2.50 2.53	1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807 1.5870 1.5933 1.6052 1.6111 1.6168 1.6225 1.6335 1.6389 1.6442 1.6495	1202.2 1208.6 1215.0 1215.0 1227.5 1233.6 1239.7 1245.6 1257.4 1263.2 1269.0 1274.7 1280.3 1291.5 1297.1 1302.6 1308.1 1313.6	1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.32 2.35 2.38 2.41 2.44 2.49 2.52	1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5736 1.5861 1.5864 1.5987 1.6105 1.6103 1.6220 1.6275 1.6330 1.6384 1.6437 1.6489 1.6541 1.6789	1202.0 1208.4 1214.8 1221.1 1227.3 1239.5 1245.5 1251.4 1257.3 1263.1 1268.8 1274.5 1280.2 1285.9 1291.4 1297.0 1302.5 1308.0
400 410 420 430 440 450 450 490 510 520 530 540 550 560 570 580 590 600 650 700 730	1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.26 2.29 2.32 2.35 2.38 2.41 2.44 2.47 2.53 2.56 2.59 2.73 2.87	1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.57819 1.5882 1.5944 1.6004 1.6122 1.6180 1.6236 1.6292 1.6346 1.6292 1.6346 1.6292 1.6346 1.6292 1.6346 1.6292 1.6346 1.6292 1.6346 1.6292 1.6346 1.6292 1.6346 1.6292 1.6346 1.6292 1.6346 1.6357 1.6357 1.6364 1.7037	1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1245.9 1251.8 1257.7 1263.5 1269.2 1274.9 1286.6 1286.2 1291.8 1302.8 1303.3 1313.7	1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25 2.31 2.34 2.37 2.40 2.43 2.46 2.49 2.52 2.54	1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748 1.5876 1.5938 1.6174 1.6231 1.6286 1.6341 1.6474 1.6500 1.6551 1.6799 1.7032	1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1245.8 1251.7 1257.5 1263.3 1269.1 1274.8 1280.5 1286.1 1291.6 1297.2 1302.7 1308.2 1313.6	1.94 1.97 2.01 2.04 2.07 2.11 2.17 2.20 2.24 2.27 2.30 2.33 2.36 2.39 2.42 2.48 2.50 2.53 2.56 2.70 2.84	[397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5870 1.5870 1.5932 1.6052 1.6111 1.6168 1.6225 1.6335 1.6389 1.6445 1.6495 1.6546	1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1251.6 1257.4 1263.2 1269.0 1274.7 1280.3 1286.0 1291.5 1302.6 1308.1 1313.6	1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.35 2.38 2.41 2.44 2.44 2.49 2.52 2.55 2.69 2.83	1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5736 1.5801 1.5864 1.5926 1.5987 1.6047 1.6105 1.6163 1.6220 1.6220 1.6241 1.6489 1.6541 1.6789 1.7022	1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1251.4 1257.3 1268.8 1274.5 1286.2 1285.9 1291.4 1297.0 1302.5 1308.6 1313.5
400 410 420 430 440 450 450 490 510 520 530 540 550 560 570 580 590 600 650 700	1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.26 2.32 2.35 2.38 2.41 2.44 2.47 2.50 2.53 2.56	1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5819 1.5882 1.5944 1.6004 1.6062 1.6180 1.6292 1.6346 1.6400 1.6453 1.6557 1.6804	1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9 1251.8 1257.7 1263.5 1269.2 1274.9 1286.6 1291.8 1302.8 1302.8 1308.3 1313.7 1319.2 1346.0 1372.4 1398.7	1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25 2.31 2.34 2.37 2.40 2.43 2.49 2.52 2.54	1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748 1.5813 1.5876 1.5938 1.5938 1.6174 1.6231 1.6231 1.6234 1.6394 1.6394 1.6394 1.6394 1.6394 1.6394 1.6396	1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1245.8 1251.7 1257.5 1263.3 1269.1 1274.8 1280.5 1280.5 1291.6 1297.2 1308.2 1313.6	1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.33 2.36 2.39 2.42 2.45 2.48 2.50 2.53	1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807 1.5870 1.5933 1.6052 1.6111 1.6168 1.6225 1.6335 1.6389 1.6442 1.6495	1202.2 1208.6 1215.0 1215.0 1227.5 1233.6 1239.7 1245.6 1257.4 1263.2 1269.0 1274.7 1280.3 1291.5 1297.1 1302.6 1308.1 1313.6	1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.32 2.35 2.38 2.41 2.44 2.49 2.52	1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5736 1.5861 1.5864 1.5987 1.6105 1.6103 1.6220 1.6275 1.6330 1.6384 1.6437 1.6489 1.6541 1.6789	1202.0 1208.4 1214.8 1221.1 1227.3 1239.5 1245.5 1251.4 1257.3 1263.1 1268.8 1274.5 1280.2 1285.9 1291.4 1297.0 1302.5 1308.0

		241 [397.9]	٠		242 [398.2]	•		243 [398.6]			244 [398.9]	
Temp	V	6	i			i	•		i	•		i
Sat.	1.91	1.5291	1 200.3	1.91	1.5288	1200.4	1.90	1.5284	1200.4	1.89	1.5280	1200.4
400	1.92	1.5307	1201.8	1.91	1.5301	1201.6	1.90	1.5294	1201.4	1.89	1.5288	1201.2
410	1.96	1.5382	1208.3	1.95	1.5376	1208.1	1.94	1.5370	1207.9	1.93	1.5364	1207.7
420	1.99	1.5456	1214.7	1.98	1.5449	1214.5	1.97	1.5443	1214.3	1.96	1.5437	1214.1
430	2.02	1.5527	1221.0	2.01	1.5521	1220.8	2.00	1.5514	1220.6	1.99	1.5508	1220.4
440	2.06	1.5596	1227.2	2.05	1.5590	1227.0	2.04	1.5584	1226.8	2.03	1.5578	1226.7
450	2.09	1.5664	1233.3	2.08	1.5658	1233.1	2.07	1.5652	1233.0	2.06	1.5646	1232.8
460	2.12	1.5730	1239.4	2.11	1.5724	1239.2	2.10	1.5719	1239.1	2.09	1.5713	1238.9
470 480	2.15	1.5795	1245.4	2.14	1.5789	1245.2	2.13	1.5784	1245.1	2.12	1.5778	1244.9
490	2.22	1.5921	1251.3	2.17 2.21	1.5853	1251.1	2.16	1.5847	1251.0	2.15	1.5841	1250.9
500	2.25	1.5982	1263.0	2.24	1.5976	1262.8	2.23	1.5970	1262.7	2.22	1.5965	1262.6
510	2.28	1.6041	1268.7	2.27	1.6035	1268.6	2.26	1.6030	1268.5	2.25	1.6024	1268.4
520	2.31	1.6099	1274.4	2.30	1.6094	1274.3	2.29	1.6089	1274.2	2.28	1.6083	1274.1
530	2.34	1.6157	1280.1	2.33	1.6152	1280.0	2.32	1.6146	1279.9	2.31	1.6141	1279.8
540	2.37	1.6214	1285.7	2.36	1.6209	1 285.6	2.35	1.6203	1285.5	2.34	1.6198	1285.4
550	2.40	1.6269	1291.3	2.39	1.6264	1291.2	2.38	1.6259	1291.1	2.37	1.6254	1291.0
560	2.42	1.6324	1296.9	2.41	1.6319	1296.8	2.40	1.6314	1296.7	2.39	1.6308	1296.5
570	2.45	1.6378	1302.4	2.44	1.6373	1302.3	2.43	1.6368	1302.2	2.42	1.6362	1302.1
580	2.48	1.6431	1307.9	2.47	1.6426	1307.8	2.46	1.6421	1307.7	2.45	1.6416	1307.6
590	2.51	1.6484	1313.4	2.50	1.6479	1313.3	2.49	1.6473	1313.2	2.48	1.6468	1313.1
600	2.54	1.6535	1318.8	2.53	1.6530	1318.7	2.52	1.6525	1318.7	2.51	1.6520	1318.6
650	2.68	1.6784	1345.7	2.67	1.6779	1345.6	2.66	1.6773	1345.6	2.65	1.6768	1345.5
700	2.81	1.7017	1372.2	2.80	1.7012	1372.1	2.79	1.7007	1372.1	2.78	1.7002	1372.0
750	2.95	1.7239	1398.5	2.94	1.7234	1398.4	2.92	1.7229	1398.4	2.91	1.7224	1398.3
800	3.08	1.7451	1424.5	3.07	1.7446	1424.6	3.05	1.7441	1424.5	3.04	1.7436	1424.5
		245			246			247 [400.0]			248	
Sat.	1.88	[399.3]	1200.5	1.88	[399-7]	1200.5	1.87	1.5269	1200.5	1.86	[400.4]	1200.6
							•					
410	1.92	1.5357	1207.5	1.91	1.5351	1207.3	1.90	1.5344	1207.1	1.89	1.5338	1206.9
420	1.95	1.5430	1213.9	1.94	1.5424	1213.7	1.94	1.5418	1213.6	1.93 1.96	1.5412	1213.4
430 440	1.99 2.02	1.5502	1226.5	1.98 2.01	1.5496	1226.3	1.97 2.00	1.5490	1219.9 1226.2	1.99	1.5484	1219.7
450	2.05	1.5640	1232.7	2.04	1.5634	1232.5	2.03	1.5628	1232.4	2.02	1.5622	1232.2
460	2.08	1.5707	1238.8	2.07	1.5701	1238.6	2.06	1.5695	1238.5	2.06	1.5689	1238.3
470	2.11	1.5772	1244.8	2.10	1.5766	1244.6	2.10	1.5760	1244.5	2.09	1.5754	1244.3
480	2.15	1.5836	1250.7	2.14	1.5830	1250.6	2.13	1.5824	1250.4	2.12	1.5818	1250.3
490	2.18	1.5898	1256.6	2.17	1.5892	1256.5	2.16	1.5887	1256.3	2.15	1.5881	1256.2
500	2.21	1.5959	1262.5	2.20	1.5953	1262.3	2.19	1.5948	1262.2	2.18	1.5942	1262.1
510	2.24	1.6019	1 268.2	2.23	1.6013	1268.1	2.22	1.6008	1268.0	2.21	1.6002	1267.9
520	2.27	1.6078	1274.0	2.26		1273.9	2.25	1.6067		2.24	1.6061	1273.6
530	2.30	1.6135	1279.7	2.29	1.6130	1279.6	2.28	1.6125	1279.4	2.27	1.6119	1279.3
540	2.33	1.6192	1285.3	2.32	1.6187	1285.2	2.31	1.6182	1285.1	2.30	1.6176	1 285.0
550	2.36	1.6248	1290.9	2.35	1.6243	1290.8	2.34	1.6238	1290.7	2.33	1.6232	1290.6
560	2.38	1.6303	1296.5	2.37	1.6298	1296.4	2.36	1.6293	1296.3	2.35	1.6287	1 296.2
570	2.41	1.6357	1302.0	2.40		1301.9	2.39	1.6347	1301.8	2.38	1.6341	1301.7
580 590	2.44 2.47	1.6410	1307.5	2.43 2.46	1.6405 1.6458	1307.5	2.42 2.45	1.6400 1.6453	1307.4	2.41 2.44	1.6395	1307.3
340				1			_				• • • •	_
- 1	2.50	1.6514	1318.5	2.49	1.6509	1318.4	2.48	1.6504	1318.3	2.47	1.6499	1318.2
600			1345.4	2.62	1.6758	1345.4	2.61	1.6753	1345.3	2.60	1.6748	1345.2
600 650	2.63	1.6763			v 6000	T 2 77 - 0	2 ~-	+ 600 -			- 60°	
600 650 700	2.63 2.77	1.6997	1372.0	2.76	1.6992	1371.9	2.75 2.88	1.6987	1371.9	2.73	1.6982	1371.8
600 650	2.63				1.6992 1.7215 1.7427	1371.9 1398.2 1424.4	2.75 2.88 3.01	1.6987 1.7210 1.7422	1371.9 1398.2 1424.4	2.73 2.86 2.99	1.6982 1.7205 1.7417	1371.8 1398.1 1424.3

1.877 1.5326 1.265.5 1.835 1.295.6 1.295.6 1.795 1.526.6 1.204.6 1.757 1.5324 1203.6 1.910 1.5400 1.240.0 1.241.1 1.900 1.242.1 1.828 1.5339 1212.1 1.828 1.5339 1212.1 1.789 1.5309 1210.1 1.914 1.900 1.244.2 1225.7 1.932 1.5553 1224.8 1.891 1.5484 1224.0 1.851 1.5455 1.5255 1.205.6 1.5339 1.560.0 1.5431 1.216.1 1.231.9 1.993 1.5553 1224.8 1.891 1.5484 1.224.0 1.851 1.5455 1.223.1 1.203.3 1.585 1.233.1 1.203.3 1.882 1.235.3 1.283	Text 1.847 1.528 1200.6 1.811 1.5241 1200.8 1.777 17.5234 1201.0 1.787 1.5261 1.5206 120 1.910 1.5400 1.920 1.5400 1.920	Pres-		250 [401.1]			255 [402.9]			260 [404.5]			265 [406.2]	
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\$\frac{570}{580} = 2.361	1.686 1.638 1.6384 1307.1 2.340 1.6359 1306.6 2.293 1.6380 1.636.6 2.224 1.6255 1306.6 2.248 1.6359 1306.6 2.248 1.6307 131.7 2.340 1.6359 1306.6 2.248 1.6307 131.7 2.347 1.6357 131.7 2.347 1.6357 131.7 2.347 1.6362 131.1 131.1 1.6484 1318.1 2.395 1.6464 1317.6 2.347 1.6489 1317.2 2.301 1.6415 131 1.690 1.2741 1.6973 1.6473 131.7 2.577 1.6494 1314.7 2.477 1.6690 1344.4 2.449 1.6666 134 1.677 1.577 1.6994 1317.2 2.555 1.6902 131.1 2.555 1.6902 1.6666 134 1.7912 1.6988 1.7193 1.71													1294.5
1.6417 1.6437 1312.6 2.368 1.6412 1312.1 2.320 1.6387 1311.7 2.274 1.6362 1311.2 1.6900 2.444 1.6489 1318.1 2.395 1.6464 1317.6 2.347 1.6695 1341.2 2.301 1.6415 1316.7 1.6925 1371.1 1.6936 1371.7 2.577 1.6949 1371.4 2.605 1.6925 1371.1 2.555 1.6902 1370.1 2.3600 2.968 1.7408 1424.3 2.909 1.7385 1424.1 2.853 1.7362 1423.8 2.798 1.7139 1398.0 2.984 1.7172 1397.8 2.305 1.7149 1397.6 2.655 1.6902 1.7360 1.423.8 2.798 1.7339 1423.8 2.998 1.7339 1423.8 2.998 1.7339 1423.8 2.998 1.7339 1423.8 2.998 1.7339 1423.8 2.998 1.7339 1423.8 2.998 1.7339 1423.8 2.998 1.7339 1423.8 2.998 1.7339 1423.8 2.998 1.7339 1.715 1.5172 1201.4 1.6564 1.5156 1201.5 1.652 1.5139 1201.6 1.813 1.5427 1222.3 1.776 1.5252 1208.4 1.680 1.5223 1207.4 1.647 1.5195 1206.8 1.813 1.5427 1222.3 1.776 1.5399 1221.4 1.741 1.5371 1220.6 1.707 1.5344 1219.7 1.5440 1.813 1.5427 1223.3 1.776 1.5399 1221.4 1.741 1.5371 1220.6 1.707 1.5344 1219.7 1.5440 1.313 1.5452 1.231.1 1.5452	13 1.6437 1312.6 2.368 1.6412 1312.1 2.320 1.6387 1311.7 2.274 1.6362 131	570		1.6331	1301.6	2.313				1.6280	1300.6	2.221	1.6255	1300.1
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1.6738 1.6738 1345.1 2.527 1.6714 1344.7 2.477 1.6696 1344.4 2.429 1.6666 1344.6 1.6973 1371.7 2.657 1.6925 1371.1 2.557 1.370.8 1371.4 2.695 1371.1 2.557 1.370.8 1371.4 2.695 1371.1 2.558 1.7126 1397.8 2.730 1.7149 1397.6 2.736 1.7126 1397.8 2.730 1.738 1.424.3 2.999 1.7385 1424.1 2.853 1.7362 1423.8 2.798 1.7339 1423.8 2.798 1.7339 1423.8 2.798 1.7339 1423.8 2.798 1.7339 1423.8 2.798 1.7339 1423.8 2.798 1.7339 1423.8 2.798 1.7339 1423.8 2.798 1.7339 1.715 1.7561 1.7576 1.75	1.6738 1.6738 1.6738 1.6738 1.6738 1.6734 1.674 1.674 1.674 1.674 1.675 1.6973 1.6714 1.677 1.675 1.6973 1.6714 1.677 1.6725 1.6925 1.371.1 2.555 1.6902 1.371.7 1.672 1.680 1.7315 1.6902 1.371.1 2.555 1.6902 1.371.1 1.676 1.6902 1.371.1 1.676 1.6902 1.6902 1.6902 1.6902 1.7385 1.424.1 2.853 1.7362 1.423.8 2.798 1.7339 1.423.8 1.7408 1.7408 1.424.3 2.999 1.7385 1.424.1 2.853 1.7362 1.423.8 2.798 1.7339 1.423.8 1.7408 1.7408 1.7512 1.6902 1.7512 1.6902 1.7512 1.6902 1.7512 1.6902 1.7512 1.6902 1.7512 1.6902 1.7512 1.6902 1.7512 1.6902 1.7512 1.6902 1.7512 1.6902 1.770 1.5345 1.5132 1.201.2 1.6902 1.6902 1.6012	590	2.417	1.6437	1312.6	2.368	1.6412	1312.1	2.320	1.6387	1311.7	2.274	1.6362	1311.2
1.6973 1.795 1.398.0 2.784 1.7172 1.397.8 2.735 1.7149 1.397.6 2.578 1.7172 1.397.8 2.735 1.7149 1.397.6 2.578 1.7172 1.397.8 2.735 1.7149 1.397.6 2.578 1.7128 1.397.8 2.735 1.7149 1.397.6 2.578 1.7128 1.397.8 2.735 1.7149 1.397.6 2.578 1.7128 1.397.8 2.735 1.7150 1.397.8 2.735 1.7150 1.397.8 2.735 1.423.8 2.798 1.7339 1.423.8 2.798 1.7339 1.423.8 2.798 1.7350 1.423.8 2.798 1.7339 1.423.8 2.798 1.7350 1.423.8 2.798 1.7350 1.423.8 2.798 1.7350 1.423.8 2.798 1.7350 1.423.8 2.798 1.7350 1.423.8 2.798 1.7350 1.423.8 2.798 1.7350 1.423.8 2.798 1.7566 1.450.1 2.917 1.7544 1.449.8 2.705 1.5251 1.5252 1.5138 1.5172 1.201.4 1.654 1.5565 1.201.5 1.625 1.5139 1.201.6 2.705	1.6973 1.717 1.2057 1.6949 1.371.4 2.605 1.6925 1.371.1 2.555 1.6902 1.375.2 1.391.8 1.7195 1.398.0 2.968 1.7408 1.424.3 2.909 1.7385 1424.1 2.853 1.7362 1.423.8 2.998 1.7385 1.424.1 2.853 1.7362 1.423.8 2.998 1.7389 1.424.1 2.853 1.7566 1.450.1 2.917 1.7544 1.445.4 2.853 1.7566 1.450.1 2.917 1.7544 1.445.4 2.853 1.7566 1.450.1 2.917 1.7544 1.445.4 2.853 1.7566 1.450.1 2.917 1.7544 1.445.4 2.853 1.7518 1.201.2 1.683 1.5172 1.201.4 1.654 1.5156 1.201.5 1.625 1.5139 1.201.4 1.813 1.5281 1.202.3 1.776 1.5252 1.208.4 1.680 1.5223 1.207.4 1.647 1.5195 1.201.4 1.813 1.5427 1.222.3 1.776 1.5399 1.211.4 1.741 1.5287 1.220.6 1.707 1.5344 1.2144 1.813 1.5427 1.222.3 1.776 1.5399 1.211.4 1.741 1.5271 1.220.6 1.707 1.5344 1.2144 1.992 1.5565 1.241.1 1.864 1.866 1.873 1.5565 1.241.1 1.864 1.866 1.873 1.5698 1.247.2 1.893 1.5671 1.240.3 1.828 1.5579 1.233.3 1.764 1.5485 1.2349 1.960 1.5762 1.253.2 1.921 1.5735 1.252.6 1.864 1.570 1.251.9 1.848 1.5684 1.255 1.201.5 1.585 1.241.1 1.864 1.560.5 1.240.3 1.828 1.5579 1.239.6 1.792 1.5553 1.2349 1.960 1.5762 1.253.2 1.921 1.5735 1.252.6 1.884 1.5710 1.251.9 1.848 1.5684 1.255 1.2585 1.265.1 1.977 1.5860 1.265.5	600	2.444	1.6489	1318.1	2.395	1.6464	1317.6	2.347	1.6439	1317.2	2.301	1.6415	1316.7
270 280 1.749\$	2.840	650	2.579	1.6738	1345.1	2.527	1.6714		2.477	1.6690	1344.4	2.429	1.6666	1344.0
Record R	Record R	-				1 2.								1370.8
270	Sat. 1.7612 1450.4 3.033 1.7589 1450.3 2.974 1.7566 1450.1 2.917 1.7544 1441													1397.3
270	270		2.900	1.7406	1424.3			' '	2.053	1.7		2.798	1.7339	1423.0
Table Tabl		850	3.094	1.7612	1450.4	3.033	1.7589	1450.3	2.974	1.7566	1450.1	2.917	1.7544	1449.9
420 1.751 1.5281 1209.3 1.715 1.5252 1208.4 1.680 1.5223 1207.4 1.647 1.5195 1206.5 430 1.782 1.5355 1215.8 1.746 1.5326 1215.0 1.711 1.5371 1220.6 1.707 1.5270 1213.2 440 1.813 1.5427 1222.3 1.776 1.5399 1221.4 1.741 1.5371 1220.6 1.707 1.5344 1219.7 450 1.843 1.5497 1228.6 1.806 1.5469 1227.8 1.770 1.5442 1227.0 1.736 1.5415 1226.2 470 1.902 1.5632 1241.1 1.806 1.5635 1240.3 1.828 1.5579 1239.6 1.792 1.5553 1238.8 480 1.931 1.5698 1247.2 1.893 1.5671 1246.5 1.856 1.5645 1245.8 1.820 1.5619 1245.6 490 1.960 1.5762 1253.2 1.921 1.5735 1252.6 1.884 1.5710 1251.9 1.848 1.5684 1251.2 500 1.988 1.5824 1259.2 1.941 1.5798 1258.6 1.911 1.5773 1257.9 1.848 1.5684 1251.2 500 1.988 1.5846 1271.0 2.004 1.5920 1270.4 1.966 1.5855 1269.8 1.929 1.5871 1263.3 520 2.044 1.5946 1271.0 2.004 1.5920 1270.4 1.966 1.5855 1269.8 1.929 1.5871 1265.3 530 2.071 1.6005 1276.8 2.031 1.5980 1276.2 1.992 1.5955 1.5931 1275.7 1.955 1.5931 1275.1 540 2.098 1.6063 1282.6 2.058 1.6038 1282.0 2.019 1.6013 1281.5 1.981 1.5989 1285.6 550 2.125 1.6176 1294.0 2.110 1.6151 1293.5 2.070 1.6127 1292.9 2.032 1.6103 1292.5 1.590 2.204 1.6231 1299.6 2.136 1.6206 1299.1 2.096 1.6182 1298.6 2.057 1.6159 1298.5 1.5935 1305.2 2.162 1.6261 1304.7 2.122 1.6237 1304.3 2.082 1.6103 1292.5 1.6268 1305.2 2.162 1.6261 1304.7 2.122 1.6237 1304.3 2.082 1.6103 1292.5 1.6268 1309.4 1.6261 1304.7 2.122 1.6237 1304.3 2.082 1.6103 1292.5 1.6268 1309.4 1.6261 1304.7 2.122 1.6237 1304.3 2.082 1.6103 1292.5 1.6268 1309.4 1.6261 1304.7 2.122 1.6237 1304.3 2.082 1.6103 1292.5 1.6268 1309.4 1.6261 1304.7 2.122 1.6237 1304.3 2.082 1.62675 1342.6 1.6261 1304.7 2.122 1.6237 1304.3 2.082 1.62675 1342.6 1.6261 1304.7 2.122 1.6337 1304.3 2.082 1.6268 1309.4 1309.4 1309.4 1309.2 1.6643 1339.7 2.2162 1.6261 1304.7 2.122 1.6337 1304.3 2.082 1.6268 1309.4 1309.2 2.561 1.6391 1316.3 2.188 1.6314 1310.3 2.147 1.6291 1309.9 2.107 1.6268 1309.4 1309.2 2.561 1.6391 1307.5 2.459 1.6857 1342.6 2.646 1.7317 1423.4 2.695 1.7926 1423.2 2.646 1.7274 1423.0 2.599 1.7253 1422.8 1309.2 2.561 1.7317	420 1.751 1.5281 1209.3 1.715 1.5252 1208.4 1.680 1.5223 1207.4 1.647 1.5195 1206 1.782 1.5355 1215.8 1.746 1.5326 1215.0 1.711 1.5298 1214.1 1.677 1.5270 121 1.5240 1.813 1.5427 1222.3 1.776 1.5399 1221.4 1.741 1.5371 1220.6 1.707 1.5344 1211 1.540 1.741 1.5371 1220.6 1.707 1.5344 1211 1.545 1.5265 1234.9 1.835 1.5565 1234.9 1.835 1.5565 1240.3 1.828 1.5579 1233.3 1.764 1.5485 12340 1.902 1.5632 1241.1 1.864 1.5605 1240.3 1.828 1.5579 1239.6 1.792 1.5553 1234 1.506 1.5762 1253.2 1.921 1.5735 1252.6 1.884 1.5710 1251.9 1.848 1.5684 1.5568 1247.2 1.893 1.5671 1246.5 1.884 1.5710 1251.9 1.848 1.5684 1255 1.506 1.5885 1.5263.1 1.977 1.5860 1264.5 1.884 1.5710 1251.9 1.848 1.5684 1255 1.506 1.5885 1.5645 1271.0 2.004 1.5926 1.5865 1264.5 1.939 1.5835 1269.8 1.902 1.5871 1265 1.500 1.605 1276.8 2.031 1.508 1276.2 2.098 1.6063 1282.6 2.058 1.6038 1282.0 2.019 1.6013 1281.5 1.981 1.5989 1286 1.580 2.201 1.6385 1305.2 2.162 1.605 1294.0 2.110 1.6151 1293.5 2.070 1.6127 1292.9 2.032 1.6103 1299.6 2.201 1.6388 1310.8 2.188 1.6314 1310.3 2.147 1.6291 1309.9 2.107 1.6268 1305.2 2.168 1.6391 1310.8 2.188 1.6314 1310.3 2.147 1.6391 1309.9 2.107 1.6268 1305 2.2627 1.7104 1397.1 2.578 1.798 1396.8 2.531 1.7060 1396.6 2.486 1.7039 1396. 2.566 1.6371 1397.5 2.459 1.7026 1.7	•		270		l	275		l	220		ļ	202	
430	430													
430	430	Sat.	1.713	[407.9]	1201.2	1.683	[409.6]	1201.4	1.654	[411.2]	1201.5	1.625	[412.8]	1201.6
450 1.843 1.5497 1228.6 1.806 1.5469 1227.8 1.770 1.5442 1227.0 1.736 1.5415 1226.2 1.870 1.902 1.5632 1241.1 1.864 1.5605 1240.3 1.828 1.5579 1239.6 1.792 1.5553 1238.6 1.931 1.5698 1247.2 1.893 1.5671 1246.5 1.856 1.5645 1.245.8 1.820 1.5619 1245.6 1.960 1.5762 1253.2 1.921 1.5735 1252.6 1.884 1.5710 1251.9 1.848 1.5684 1251.2 1.900 1.988 1.5824 1259.2 1.949 1.5798 1258.6 1.911 1.5773 1257.9 1.848 1.5684 1251.2 1.900 1.988 1.5885 1265.1 1.977 1.5860 1264.5 1.939 1.5835 1263.9 1.902 1.5810 1263.5 1.500 1.988 1.5946 1271.0 2.004 1.5920 1270.4 1.966 1.5895 1269.8 1.929 1.5871 1269.2 1.908 1.6063 1282.6 2.058 1.6038 1282.0 2.019 1.6013 1281.5 1.981 1.5989 1280.9 1.500 1.6013 1281.5 1.981 1.5989 1280.9 1.500 1.500 1.6047 1286.7 1.500 1.500 1.500 1.500 1.294.0 2.100 1.6151 1293.5 2.000 1.6013 1281.5 1.981 1.5989 1280.9 1.500 1.6038 1.305.2 2.162 1.6285 1.305.2 2.162 1.6285 1.305.2 2.162 1.6285 1.305.2 2.162 1.6285 1.305.2 2.162 1.6285 1.305.2 2.162 1.6285 1.305.2 2.162 1.6285 1.305.2 2.162 1.6038 1.305.2 2.160 1.294.0 2.100 1.6151 1293.5 2.000 1.6013 1281.5 1.981 1.5989 1280.9 1.500 1.6013 1.500 1.294.0 2.100 1.6151 1293.5 2.000 1.6013 1281.5 1.981 1.5989 1280.9 1.500 1.6013 1.500 1.500 1.294.0 2.100 1.6051 1.500 1.294.0 2.100 1.6051 1.500 1.294.0 2.100 1.6051 1.500 1.294.0 2.100 1.6051 1.500 1.294.0 2.100 1.6051 1.500 1.294.0 2.100 1.6051 1.500 1.294.0 2.100 1.6051 1.500 1.294.0 2.100 1.6051 1.500 1.294.0 2.100 1.6051 1.500 1.294.0 2.200 1.6013 1.200.0 2.250 1.6038 1.300.8 2.188 1.6314 1.310.3 2.147 1.6291 1.304.3 2.082 1.6021 1.305.2 2.162 1.6265 1.305.2 2.162 1.6265 1.305.2 2.162 1.6265 1.304.7 2.122 1.6327 1.304.3 2.082 1.6214 1.303.8 1.600 1.294.0 2.250 1.6087 1.304.7 2.122 1.6327 1.304.3 2.082 1.6214 1.303.8 1.600 1.294.0 2.250 1.6087 1.304.7 2.122 1.6327 1.304.3 2.082 1.6214 1.303.8 1.600 1.294.0 2.250 1.6087 1.304.7 2.122 1.6327 1.304.3 2.2082 1.6214 1.303.8 1.600 1.294.0 2.250 1.6087 1.304.7 2.122 1.6327 1.304.3 2.2082 1.6214 1.303.8 1.308 1.308 1.308 1.308 1.308 1.308 1.308 1.308 1.308 1.308 1.308 1.308 1	450 1.843 1.5497 1228.6 1.806 1.5469 1227.8 1.770 1.5442 1227.0 1.736 1.5415 1221 460 1.873 1.5565 1234.9 1.835 1.5538 1234.1 1.799 1.5511 1233.3 1.764 1.5485 1233 470 1.902 1.5632 1241.1 1.864 1.5605 1240.3 1.828 1.5579 1239.6 1.792 1.5553 1234 480 1.931 1.5698 1247.2 1.893 1.5671 1246.5 1.856 1.5645 1.245.8 1.820 1.5619 1244 490 1.960 1.5762 1253.2 1.921 1.5735 1252.6 1.884 1.5710 1251.9 1.848 1.5684 1255 1.200 1.988 1.5824 1259.2 1.949 1.5798 1258.6 1.911 1.5773 1257.9 1.875 1.5748 1255 1200 1.5885 1265.1 1.977 1.5860 1264.5 1.939 1.5835 1263.9 1.902 1.5810 1265 1200 1.5920 1270.4 1.966 1.5895 1269.8 1.929 1.5871 1265 1200 1.6003 1282.6 2.098 1.6063 1282.6 2.058 1.6038 1282.0 2.019 1.6013 1281.5 1.981 1.5989 1286 1280 2.098 1.6231 1293.6 2.058 1.6028 1282.0 2.019 1.6013 1281.5 1.981 1.5989 1286 1299.1 1.6023 1299.6 2.152 1.6176 1294.0 2.110 1.6151 1293.5 2.070 1.6127 1292.9 2.032 1.6103 1295.5 1.6338 1200 1.6013 1281.5 1.981 1.5980 1299 1.580 2.204 1.6285 1305.2 2.162 1.6266 1299.1 2.096 1.6182 1298.6 2.057 1.6123 1305.2 2.162 1.6266 1299.1 2.096 1.6182 1298.6 2.057 1.6193 1395.5 2.070 1.6231 1305.2 2.162 1.6266 1299.1 2.096 1.6182 1298.6 2.057 1.6123 1305.2 2.162 1.6261 1304.7 2.122 1.6237 1304.3 2.082 1.6214 130.3 2.147 1.6291 1309.9 2.107 1.6268 1306 1.6082 1309.9 2.230 1.6338 1310.8 2.188 1.6314 1310.3 2.147 1.6291 1309.9 2.107 1.6268 1306 1.700 2.506 1.6879 1370.5 2.459 1.6857 1370.2 2.414 1.6835 1369.9 2.371 1.6813 1366 2.286 1.7039 1396.6 2.486 1.7039 1396.6 2.486 1.7039 1396.6 2.863 1.7522 1449.7 2.810 1.7501 1449.6 2.759 1.7480 1449.4 2.710 1.7459 1449.8			[407.9] 1.5189		Ū	[409.6] 1.5172			[411.2] 1.5156			[412.8]	
460 1.873 1.5565 1234.9 1.835 1.5538 1234.1 1.799 1.5511 1233.3 1.764 1.5485 1232.6 470 1.902 1.5632 1241.1 1.864 1.5605 1240.3 1.828 1.5579 1239.6 1.792 1.5553 1238.8 480 1.931 1.5698 1247.2 1.893 1.5671 1246.5 1.856 1.5645 1245.8 1.820 1.5619 1245.6 490 1.960 1.5762 1253.2 1.921 1.5735 1252.6 1.884 1.5710 1251.9 1.848 1.5684 1251.2 600 1.988 1.5824 1259.2 1.949 1.5798 1258.6 1.911 1.5773 1257.9 1.875 1.5748 1257.3 510 2.016 1.5885 1265.1 1.977 1.5860 1264.5 1.939 1.5835 1263.9 1.902 1.5810 1263.3 520 2.044 1.5946 1271.0 2.004 1.5920 1270.4 1.966 1.5895 1269.8 1.929 1.5871 1269.3 530 2.071 1.6005 1276.8 2.031 1.5980 1276.2 1.992 1.5955 1275.7 1.955 1.5931 1275.1 540 2.098 1.6063 1282.6 2.058 1.6038 1282.0 2.019 1.6013 1281.5 1.981 1.5989 1280.6 580 2.125 1.6120 1288.3 2.084 1.6095 1287.8 2.045 1.6013 1281.5 1.981 1.5989 1280.6 570 2.178 1.6231 1299.6 2.136 1.6226 1299.1 2.006 1.6182 1292.9 2.032 1.6103 1292.5 570 2.178 1.6285 1305.2 2.162 1.6261 1304.7 2.122 1.6237 1304.3 2.082 1.6214 1303.8 580 2.204 1.6285 1305.2 2.162 1.6261 1304.7 2.122 1.6237 1304.3 2.082 1.6214 1303.8 590 2.230 1.6338 1310.8 2.188 1.6314 1310.3 2.147 1.6291 1309.9 2.107 1.6268 1309.4 600 2.256 1.6391 1316.3 2.213 1.6367 1315.9 2.172 1.6344 1315.5 2.132 1.6321 1315.6 50 2.382 1.6643 1343.7 2.338 1.6620 1343.3 2.295 1.6597 1342.9 2.253 1.6575 1342.6 50 2.382 1.66879 1370.5 2.459 1.6857 1370.2 2.414 1.6835 1369.9 2.371 1.6813 1369.6 2.746 1.7317 1423.4 2.695 1.7296 1423.2 2.646 1.7274 1423.0 2.599 1.7253 1422.8 860 2.863 1.7522 1449.7 2.810 1.7501 1449.6 2.759 1.7480 1449.4 2.710 1.7459 1449.2	460 1.873 1.5565 1234.9 1.835 1.5538 1234.1 1.799 1.5511 1233.3 1.764 1.5485 123. 470 1.902 1.5632 1241.1 1.864 1.5605 1240.3 1.828 1.5579 1239.6 1.792 1.5553 1234. 480 1.931 1.5698 1247.2 1.893 1.5671 1246.5 1.856 1.5645 1245.8 1.820 1.5619 124. 490 1.960 1.5762 1253.2 1.921 1.5735 1252.6 1.884 1.5710 1251.9 1.848 1.5684 125. 600 1.988 1.5824 1259.2 1.949 1.5798 1258.6 1.911 1.5773 1257.9 1.875 1.5748 125. 510 2.016 1.5885 1265.1 1.977 1.5860 1264.5 1.939 1.5835 1263.9 1.902 1.5810 126. 520 2.044 1.5946 1271.0 2.004 1.5920 1270.4 1.966 1.5895 1269.8 1.929 1.5871 126. 530 2.071 1.6005 1276.8 2.031 1.5980 1276.2 1.992 1.5955 1275.7 1.955 1.5931 127. 540 2.098 1.6063 1282.6 2.058 1.6038 1282.0 2.019 1.6013 1281.5 1.981 1.5989 128. 680 2.125 1.6120 1288.3 2.084 1.6095 1287.8 2.045 1.6071 1287.2 2.007 1.6047 128. 570 2.178 1.6285 1305.2 2.136 1.6206 1299.1 2.096 1.6182 1299.9 2.032 1.6103 1299.6 2.230 1.6338 1310.8 2.188 1.6314 1310.3 2.147 1.6291 1309.9 2.107 1.6268 1309. 600 2.256 1.6391 1316.3 2.213 1.6367 1315.9 2.172 1.6344 1315.5 2.132 1.6321 131. 650 2.382 1.6643 1343.7 2.338 1.6620 1343.3 2.295 1.6597 1342.9 2.253 1.6575 134. 700 2.506 1.6879 1370.5 2.459 1.6857 1370.2 2.414 1.6835 1.7060 1396.6 2.486 1.7039 1396.8 2.746 1.7317 1423.4 2.695 1.7206 1449.6 2.759 1.7480 1449.4 2.710 1.7459 1449.8	420	1.751	[407.9] 1.5189 1.5281	1 209.3	1.715	[409.6] 1.5172 1.5252	1208.4	1.680	[411.2] 1.5156 1.5223	1207.4	1.647	[412.8] 1.5139 1.5195	1201.6 1206.5 1213.2
460 1.873 1.5565 1234.9 1.835 1.5538 1234.1 1.799 1.5511 1233.3 1.764 1.5485 1232.6 470 1.902 1.5632 1241.1 1.864 1.5605 1240.3 1.828 1.5579 1230.6 1.792 1.5533 1238.6 480 1.931 1.5698 1247.2 1.883 1.5671 1246.5 1.856 1.5645 1245.8 1.820 1.5619 1.5532 1233.6 1.792 1.5533 1252.6 1.884 1.5710 1251.9 1.848 1.5619 1245.8 1.257.3 1245.8 1.826 1.5619 1.245.8 1.257.3 1245.8 1.826.9 1.5710 1251.9 1.848 1.5619 1245.8 1.257.2 1.848 1.5710 1251.9 1.848 1.5619 1245.8 1.257.2 1.848 1.5720 1.251.9 1.848 1.5619 1.257.2 1.281 1.257.2 1.281.9 1.257.2 1.281 1.257.2 1.281 1.257.2	460 1.873 1.5565 1234.9 1.835 1.5538 1234.1 1.799 1.5511 1233.3 1.764 1.5485 1234.7 1.902 1.5632 1241.1 1.864 1.5605 1240.3 1.828 1.5792 1239.6 1.792 1.5553 1234.8 480 1.960 1.5762 1253.2 1.921 1.5735 1246.5 1.856 1.5645 1245.8 1.820 1.5619 124.8 490 1.960 1.5762 1253.2 1.921 1.5735 1252.6 1.884 1.5710 1251.9 1.848 1.5684 1.25 500 1.988 1.5824 1259.2 1.949 1.5798 1258.6 1.911 1.5773 1257.9 1.875 1.5748 125 500 2.046 1.5896 1271.0 2.004 1.5920 1270.4 1.966 1.5855 1263.9 1.5875 1.5931 127.5 500 2.156 1.6063 1282.6 2.051 1.5920 <th>420 430</th> <th>1.751</th> <th>[407.9] 1.5189 1.5281 1.5355</th> <th>1209.3 1215.8</th> <th>1.715</th> <th>[409.6] 1.5172 1.5252 1.5326</th> <th>1208.4</th> <th>1.680 1.711</th> <th>[411.2] 1.5156 1.5223 1.5298</th> <th>1207.4</th> <th>1.647 1.677</th> <th>[412.8] 1.5139 1.5195 1.5270</th> <th>1206.5</th>	420 430	1.751	[407.9] 1.5189 1.5281 1.5355	1209.3 1215.8	1.715	[409.6] 1.5172 1.5252 1.5326	1208.4	1.680 1.711	[411.2] 1.5156 1.5223 1.5298	1207.4	1.647 1.677	[412.8] 1.5139 1.5195 1.5270	1206.5
480 1.931 1.5698 1247.2 1.893 1.5671 1246.5 1.856 1.5645 1245.8 1.820 1.5619 1245.6 490 1.960 1.5762 1253.2 1.921 1.5735 1252.6 1.884 1.5710 1251.9 1.848 1.5684 1251.2 500 1.988 1.5824 1259.2 1.949 1.5798 1258.6 1.911 1.5773 1257.9 1.875 1.5748 1257.3 510 2.016 1.5885 1265.1 1.977 1.5860 1264.5 1.939 1.5835 1263.9 1.902 1.5810 1263.3 520 2.044 1.5946 1271.0 2.004 1.5920 1270.4 1.966 1.5895 1269.8 1.929 1.5810 1263.3 530 2.071 1.6063 1282.6 2.058 1.6038 1282.0 2.019 1.5013 1281.5 1.981 1.5989 1280.9 560 2.152 1.6163 1288.3	480 1.931 1.5698 1247.2 1.893 1.5671 1246.5 1.856 1.5645 1245.8 1.800 1.5619 124.90 490 1.960 1.5762 1253.2 1.921 1.5735 1252.6 1.884 1.5710 1251.9 1.848 1.5619 124.91 500 1.988 1.5824 1259.2 1.949 1.5798 1258.6 1.911 1.5773 1257.9 1.875 1.5748 125.510 510 2.016 1.5885 1265.1 1.977 1.5860 1264.5 1.939 1.5835 1263.9 1.902 1.5810 1265.5 520 2.044 1.5946 1271.0 2.004 1.5920 1270.4 1.966 1.5895 1269.8 1.929 1.5871 126 530 2.071 1.6063 1282.6 2.031 1.5980 1270.4 1.966 1.5895 1269.8 1.929 1.5871 126 540 2.152 1.6663 1288.3	420 430 440	1.751 1.782 1.813	[407.9] 1.5189 1.5281 1.5355 1.5427	1209.3 1215.8 1222.3	1.715 1.746 1.776	[409.6] 1.5172 1.5252 1.5326 1.5399	1208.4 1215.0 1221.4	1.680 1.711 1.741	[411.2] 1.5156 1.5223 1.5298 1.5371	1207.4 1214.1 1220.6	1.647 1.677 1.707	[412.8] 1.5139 1.5195 1.5270 1.5344	1206.5
490 1.960 1.5762 1253.2 1.91 1.5735 1252.6 1.884 1.5710 1251.9 1.848 1.5684 1251.2 500 1.988 1.5824 1259.2 1.949 1.5798 1258.6 1.911 1.5773 1257.9 1.875 1.5748 1257.3 510 2.016 1.5885 1265.1 1.977 1.5860 1264.5 1.939 1.5783 1263.3 1.902 1.5810 1263.3 520 2.044 1.5946 1271.0 2.004 1.5920 1270.4 1.966 1.5895 1269.8 1.929 1.5810 1263.3 530 2.071 1.6005 1276.8 2.031 1.5980 1276.2 1.992 1.5855 1275.7 1.955 1.5931 1275.1 540 2.098 1.6063 1282.6 2.058 1.6038 1282.0 2.019 1.6013 1287.2 2.007 1.6047 1286.5 550 2.152 1.6176 1294.0	490 1.960 1.5762 1253.2 1.921 1.5735 1252.6 1.884 1.5710 1251.9 1.848 1.5684 125 500 1.988 1.5824 1259.2 1.949 1.5798 1258.6 1.911 1.5773 1257.9 1.875 1.5748 125 510 2.016 1.5885 1265.1 1.977 1.5860 1264.5 1.939 1.5835 1263.9 1.902 1.5810 126 520 2.044 1.5946 1271.0 2.004 1.5920 1270.4 1.966 1.5895 1269.8 1.929 1.5810 126 530 2.071 1.6005 1276.8 2.031 1.5980 1276.2 1.992 1.5955 1275.7 1.955 1.5811 126 540 2.098 1.6063 1282.6 2.058 1.6038 1282.0 2.019 1.6013 1287.2 2.007 1.6047 1288 550 2.152 1.6176 1294.0 2.11	420 430 440 450	1.751 1.782 1.813	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5497	1209.3 1215.8 1222.3	1.715 1.746 1.776	[409.6] 1.5172 1.5252 1.5326 1.5399 1.5469	1208.4 1215.0 1221.4 1227.8	1.680 1.711 1.741	[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442	1207.4 1214.1 1220.6	1.647 1.677 1.707	[412.8] 1.5139 1.5195 1.5270 1.5344 1.5415	1206.5 1213.2 1219.7
600 1.988 1.5824 1259.2 1.949 1.5798 1258.6 1.911 1.5773 1257.9 1.875 1.5748 1257.3 510 2.016 1.5885 1265.1 1.977 1.5860 1264.5 1.939 1.5835 1263.9 1.902 1.5810 1263.5 520 2.044 1.5946 1271.0 2.004 1.5920 1270.4 1.966 1.5895 1269.8 1.929 1.5871 1269.2 530 2.071 1.6065 1276.8 2.031 1.5980 1276.2 1.992 1.5955 1.5931 1275.7 540 2.098 1.6063 1282.6 2.058 1.6038 1282.0 2.019 1.6013 1287.5 1.991 1.5989 1280.5 560 2.125 1.6176 1294.0 2.110 1.6151 1293.5 2.070 1.6127 1292.9 2.032 1.6047 1286.7 570 2.178 1.6285 1305.2 2.162 1.6261	600 1.988 1.5824 1259.2 1.949 1.5798 1258.6 1.911 1.5773 1257.9 1.875 1.5748 1255.5 510 2.016 1.5885 125.1 1.977 1.5860 1264.5 1.939 1.5835 1263.9 1.5920 1.5810 1.5920 1.5920 1.270.4 1.966 1.5895 1269.8 1.929 1.5871 126 1.5920 1.270.4 1.966 1.5895 1269.8 1.929 1.5871 126 1.5920 1.70.2 1.939 1.5875 1.263.9 1.5871 126 1.971 1.5885 1.267.2 1.939 1.5875 1269.8 1.929 1.5871 126 1.5871 126 1.5871 126 1.5871 126 1.5871 126 1.5871 126 1.5871 126 1.5871 126 1.5871 126 1.5871 126 1.5871 126 1.5871 126 1.5871 126 1.5871 126 1.5871 1.626 1.9381 <th>420 430 440 450 460 470</th> <th>1.751 1.782 1.813 1.843 1.873 1.902</th> <th>[407.9] 1.5189 1.5281 1.5355 1.5427 1.5497 1.5565 1.5632</th> <th>1209.3 1215.8 1222.3 1228.6 1234.9 1241.1</th> <th>1.715 1.746 1.776 1.806 1.835 1.864</th> <th>[409.6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5605</th> <th>1208.4 1215.0 1221.4 1227.8 1234.1 1240.3</th> <th>1.680 1.711 1.741 1.770 1.799 1.828</th> <th>[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5579</th> <th>1207.4 1214.1 1220.6 1227.0 1233.3 1239.6</th> <th>1.647 1.677 1.707 1.736 1.764 1.792</th> <th>[412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485 1.5553</th> <th>1206.5 1213.2 1219.7</th>	420 430 440 450 460 470	1.751 1.782 1.813 1.843 1.873 1.902	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5497 1.5565 1.5632	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1	1.715 1.746 1.776 1.806 1.835 1.864	[409.6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5605	1208.4 1215.0 1221.4 1227.8 1234.1 1240.3	1.680 1.711 1.741 1.770 1.799 1.828	[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5579	1207.4 1214.1 1220.6 1227.0 1233.3 1239.6	1.647 1.677 1.707 1.736 1.764 1.792	[412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485 1.5553	1206.5 1213.2 1219.7
\$\begin{array}{c ccccccccccccccccccccccccccccccccccc	\$\begin{array}{c ccccccccccccccccccccccccccccccccccc	420 430 440 450 460 470 480	1.751 1.782 1.813 1.843 1.873 1.902	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5497 1.5565 1.5632 1.5698	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2	1.715 1.746 1.776 1.806 1.835 1.864 1.893	[49.6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5605 1.5671	1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5	1.680 1.711 1.741 1.770 1.799 1.828 1.856	[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5579 1.5645	1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8	1.647 1.677 1.707 1.736 1.764 1.792 1.820	[412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485 1.5553 1.5619	1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0
520 2.044 1.5946 1271.0 2.004 1.5920 1270.4 1.966 1.5895 1269.8 1.929 1.5871 1269.2 1275.1 1.992 1.5895 1269.8 1.929 1.5871 1269.2 1275.1 1.992 1.5955 1275.7 1.955 1.5931 1275.7 1.955 1.5931 1275.7 1.955 1.5931 1.5989 1275.1 1.6063 1282.6 2.058 1.6038 1282.0 2.019 1.6013 1281.5 1.981 1.5989 1285.6 2.052 1.6038 1282.0 2.019 1.6013 1281.5 1.981 1.5989 1286.7 2.016 1.6161 1.6013 1281.5 1.981 1.5989 1286.7 2.0161 1.6013 1287.2 2.007 1.6013 1287.2 2.007 1.6047 1287.2 2.007 1.6047 1287.2 2.007 1.6047 1292.9 2.032 1.6047 1292.9 2.032 1.6047 1292.9 2.032 1.6047 1292.9 2.032	520 2.044 1.5946 1271.0 2.004 1.5920 1270.4 1.966 1.5895 1269.8 1.929 1.5871 1267.5 1270.4 1.966 1.5895 1269.8 1.929 1.5871 1267.5 1282.6 1.5980 1276.2 1.992 1.5955 1275.7 1.955 1.5931 127.5 1.5955 1.5981 1.5981 1281.5 1.981 1.5981 1281.5 1.981 1.5989 1286.8 1.282.0 2.019 1.6013 1281.5 1.981 1.5989 1286.8 1.588.3 2.084 1.6038 1282.0 2.019 1.6013 1281.5 1.981 1.5989 1286.8 1.6261 1.6291 1.6013 1287.2 2.007 1.6127 1292.9 2.032 1.6047 1286.8 1.6261 1.293.5 2.070 1.6127 1292.9 2.032 1.6047 1286.2 1.6261 1.293.5 2.070 1.6127 1292.9 2.032 1.6103 1.293.6 2.057 1.6261 1.293.6 2.0	420 430 440 450 460 470 480 490	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960	1.5189 1.5189 1.5281 1.5355 1.5427 1.5565 1.5632 1.5632 1.5762	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2	1.715 1.746 1.776 1.806 1.835 1.864 1.893	[49.6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5605 1.5671 1.5735	1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5	1.680 1.711 1.741 1.770 1.799 1.828 1.856	[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5579 1.5645	1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8	1.647 1.677 1.707 1.736 1.764 1.792 1.820	[412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485 1.5553 1.5619	1206.5 1213.2 1219.7 1226.2 1232.6 1238.8
530 2.071 1.6065 1276.8 2.031 1.5980 1276.2 1.992 1.5955 1275.7 1.955 1.5931 1275.1 540 2.098 1.6063 1282.6 2.058 1.6038 1282.0 2.019 1.6013 1281.5 1.981 1.5989 1275.1 550 2.125 1.6120 1288.3 2.084 1.6095 1287.8 2.045 1.6071 1287.2 2.007 1.6047 1286.7 560 2.152 1.6176 1294.0 2.110 1.6151 1293.5 2.070 1.6127 1292.9 2.032 1.6103 1292.5 570 2.178 1.6231 1299.6 2.136 1.6266 1299.1 2.096 1.6182 1298.6 2.057 1.6159 1298.2 580 2.204 1.6285 1305.2 2.1621 1.6261 1304.7 2.122 1.6237 1304.3 2.082 1.6214 1303.8 590 2.230 1.6338 1310.8 <th>530 2.071 1.6065 1276.8 2.031 1.5980 1276.2 1.992 1.5955 1275.7 1.955 1.5931 1275.9 540 2.098 1.6063 1282.6 2.058 1.6038 1282.0 2.019 1.6013 1281.5 1.955 1.5931 1.293.5 1.281.5 1.981 1.5989 1286.8 1.281.5 1.981 1.5989 1286.8 1.281.5 1.6013 1281.5 1.981 1.5989 1286.8 1.281.5 1.6013 1281.5 1.981 1.5989 1286.8 1.281.5 1.6013 1281.5 1.981 1.5989 1286.8 1.281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013</th> <th>420 430 440 450 460 470 480 490</th> <th>1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960</th> <th>1.5189 1.5281 1.5355 1.5427 1.5565 1.5632 1.5698 1.5762</th> <th>1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2 1253.2</th> <th>1.715 1.746 1.776 1.806 1.835 1.864 1.893 1.921</th> <th>1.5172 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5605 1.5671 1.5735</th> <th>1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6</th> <th>1.680 1.711 1.741 1.770 1.799 1.828 1.856 1.884</th> <th>[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5579 1.5645 1.5710</th> <th>1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9</th> <th>1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848</th> <th>[412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485 1.5553 1.5684 1.5748</th> <th>1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1251.2</th>	530 2.071 1.6065 1276.8 2.031 1.5980 1276.2 1.992 1.5955 1275.7 1.955 1.5931 1275.9 540 2.098 1.6063 1282.6 2.058 1.6038 1282.0 2.019 1.6013 1281.5 1.955 1.5931 1.293.5 1.281.5 1.981 1.5989 1286.8 1.281.5 1.981 1.5989 1286.8 1.281.5 1.6013 1281.5 1.981 1.5989 1286.8 1.281.5 1.6013 1281.5 1.981 1.5989 1286.8 1.281.5 1.6013 1281.5 1.981 1.5989 1286.8 1.281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013 1281.5 1.6013	420 430 440 450 460 470 480 490	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960	1.5189 1.5281 1.5355 1.5427 1.5565 1.5632 1.5698 1.5762	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2 1253.2	1.715 1.746 1.776 1.806 1.835 1.864 1.893 1.921	1.5172 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5605 1.5671 1.5735	1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6	1.680 1.711 1.741 1.770 1.799 1.828 1.856 1.884	[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5579 1.5645 1.5710	1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9	1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848	[412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485 1.5553 1.5684 1.5748	1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1251.2
540 2.098 1.6063 1282.6 2.058 1.6038 1282.0 2.019 1.6013 1281.5 1.981 1.5989 1280.6 560 2.125 1.6120 1288.3 2.084 1.6095 1287.8 2.045 1.6071 1287.2 2.007 1.6047 1286.7 570 2.178 1.6231 1299.6 2.110 1.61651 1293.5 2.070 1.6127 1292.9 2.032 1.6159 1298.2 580 2.204 1.6285 1305.2 2.162 1.6261 1304.7 2.122 1.6237 1304.3 2.082 1.6214 1303.8 590 2.230 1.6338 1310.8 2.188 1.6314 1310.3 2.147 1.6291 1309.9 2.107 1.6268 1309.4 600 2.256 1.6391 1316.3 2.213 1.6620 1343.3 2.295 1.6597 1342.9 2.253 1.6575 1342.6 700 2.506 1.6879 1370.5 <th>540 2.098 1.6063 1282.6 2.058 1.6038 1282.0 2.019 1.6013 1281.5 1.981 1.5989 1286 560 2.125 1.6176 1294.0 2.110 1.6151 1293.5 2.070 1.6071 1287.2 2.007 1.6047 1286 570 2.178 1.6231 1299.6 2.136 1.6261 1299.1 2.096 1.6182 1298.6 2.057 1.6159 1295 580 2.204 1.6285 1305.2 2.162 1.6261 1304.7 2.122 1.6237 1304.3 2.082 1.6214 130 590 2.230 1.6338 1310.8 2.188 1.6314 1310.3 2.147 1.6291 1304.3 2.082 1.6214 130 590 2.256 1.6391 1316.3 2.213 1.6367 1315.9 2.172 1.6344 1315.5 2.132 1.6321 131 650 2.382 1.6643 1343.7 2.</th> <th>420 430 440 450 460 470 480 490 510</th> <th>1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960</th> <th>[407.9] 1.5189 1.5281 1.5355 1.5427 1.5497 1.5565 1.5632 1.5698 1.5762 1.5824 1.5885</th> <th>1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2 1253.2</th> <th>1.715 1.746 1.776 1.806 1.835 1.864 1.893 1.921</th> <th>1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5605 1.5671 1.5735 1.5798 1.5860</th> <th>1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6</th> <th>1.680 1.711 1.741 1.770 1.799 1.828 1.856 1.884</th> <th>[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5579 1.5645 1.5773 1.5835</th> <th>1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9 1257.9 1263.9</th> <th>1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902</th> <th>[412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485 1.5553 1.5619 1.5684 1.5748 1.5810</th> <th>1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1251.2</th>	540 2.098 1.6063 1282.6 2.058 1.6038 1282.0 2.019 1.6013 1281.5 1.981 1.5989 1286 560 2.125 1.6176 1294.0 2.110 1.6151 1293.5 2.070 1.6071 1287.2 2.007 1.6047 1286 570 2.178 1.6231 1299.6 2.136 1.6261 1299.1 2.096 1.6182 1298.6 2.057 1.6159 1295 580 2.204 1.6285 1305.2 2.162 1.6261 1304.7 2.122 1.6237 1304.3 2.082 1.6214 130 590 2.230 1.6338 1310.8 2.188 1.6314 1310.3 2.147 1.6291 1304.3 2.082 1.6214 130 590 2.256 1.6391 1316.3 2.213 1.6367 1315.9 2.172 1.6344 1315.5 2.132 1.6321 131 650 2.382 1.6643 1343.7 2.	420 430 440 450 460 470 480 490 510	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5497 1.5565 1.5632 1.5698 1.5762 1.5824 1.5885	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2 1253.2	1.715 1.746 1.776 1.806 1.835 1.864 1.893 1.921	1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5605 1.5671 1.5735 1.5798 1.5860	1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6	1.680 1.711 1.741 1.770 1.799 1.828 1.856 1.884	[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5579 1.5645 1.5773 1.5835	1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9 1257.9 1263.9	1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902	[412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485 1.5553 1.5619 1.5684 1.5748 1.5810	1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1251.2
560 2.152 1.6176 1294.0 2.110 1.6151 1293.5 2.070 1.6127 1292.9 2.032 1.6103 1292.5 570 1.6127 1292.9 2.032 1.6103 1292.5 1.6261 1299.1 2.096 1.6182 1298.6 2.057 1.6159 1298.2 1298.2 1.6261 1304.7 2.122 1.6237 1304.3 2.082 1.6214 1303.8 130.8 1.6381 1.6314 1310.3 2.147 1.6291 1309.9 2.107 1.6268 1309.4 600 2.256 1.6391 1316.3 2.213 1.6367 1315.9 2.172 1.6344 1315.5 2.132 1.6321 1315.0 1315.0 2.506 1.6879 1370.5 2.459 1.6857 1343.3 2.295 1.6597 1342.9 2.253 1.6575 1342.6 750 2.627 1.7104 1397.1 2.578 1.7082 1396.8 2.531 1.7060 1396.6 2.486 1.7039 1396.	560 2.152 1.6176 1294.0 2.110 1.6151 1293.5 2.070 1.6127 1292.9 2.032 1.6103 1295.5 1296.6 1.6151 1293.5 2.070 1.6127 1292.9 2.032 1.6103 1295.5 1296.6 1.6127 1292.9 2.032 1.6159 1296.6 1299.1 2.096 1.6182 1298.6 2.057 1.6159 1296.6 1.6261 1304.7 2.122 1.6237 1304.3 2.082 1.6214 1305.7 1.6268 1306.7 1315.9 2.147 1.6291 1309.9 2.107 1.6268 1306.7 1315.9 2.172 1.6344 1315.5 2.132 1.6321 1315.6 1315.9 2.172 1.6344 1315.5 2.132 1.6321 1315.6 2.382 1.6643 1343.7 2.338 1.6620 1343.3 2.295 1.6597 1342.9 2.253 1.6575 134 700 2.506 1.6879 1370.5 2.459 1.6857 1370.2	420 430 440 450 460 470 480 490 510 520	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960 1.988 2.016	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5497 1.55632 1.5698 1.5762 1.5824 1.5885 1.5946	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2 1253.2 1259.2 1259.1 1271.0	1.715 1.746 1.776 1.806 1.835 1.864 1.893 1.921 1.949 1.977 2.004	[49,6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5605 1.5671 1.5735 1.5798 1.5860 1.5920	1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6 1258.6 1264.5 1270.4	1.680 1.711 1.741 1.770 1.799 1.828 1.856 1.884 1.911 1.939 1.966	[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5573 1.5645 1.5773 1.5835 1.5835 1.5895	1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9 1257.9 1263.9 1269.8	1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929	[412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.55485 1.5563 1.5684 1.5748 1.5748 1.5810 1.5871	1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1251.2 1257.3 1263.3 1269.2
570 2.178 1.6231 1299.6 2.136 1.6266 1299.1 2.096 1.6182 1298.6 2.057 1.6159 1298.2 580 2.204 1.6285 1305.2 2.162 1.6261 1304.7 2.122 1.6237 1304.3 2.082 1.6214 1303.8 590 2.230 1.6338 1310.8 2.188 1.6314 1310.3 2.147 1.6291 1309.9 2.107 1.6268 1309.4 600 2.256 1.6391 1316.3 2.213 1.6367 1315.9 2.172 1.6344 1315.5 2.132 1.6321 1315.6 650 2.382 1.6643 1343.7 2.338 1.6620 1343.3 2.295 1.6597 1342.9 2.253 1.6575 1342.6 700 2.506 1.6879 1370.5 2.459 1.6857 1370.2 2.414 1.6835 1366.9 2.371 1.6813 1369.6 750 2.627 1.7104 1397.1	570 2.178 1.6231 1299.6 2.136 1.6206 1299.1 2.096 1.6182 1298.6 2.057 1.6159 1295.6 2.096 1.6182 1298.6 2.057 1.6159 1295.6 2.096 1.6182 1298.6 2.057 1.6159 1295.6 2.096 1.6281 1304.3 2.082 1.6214 1305.2 1.6268 1305.2 1.6214 1305.2 1.6291 1309.9 2.107 1.6268 1305.2 1.6268 1305.2 1.6268 1305.2 1.6214 1305.2 1.6214 1305.2 1.6291 1309.9 2.107 1.6268 1305.2 1.6268 1305.2 1.6268 1305.2 1.6214 1305.2 1.6291 1309.9 2.107 1.6268 1305.2 1.6268 1305.2 1.6214 1305.2 1.6291 1309.9 2.112 1.6268 1305.2 1.6214 1315.5 2.132 1.6321 1315.2 1.6214 1315.5 2.132 1.6321 1315.2 1.6257 1342.9 2.	420 430 440 450 460 470 480 490 510 520 530	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960 1.988 2.016 2.044 2.071	[407.9] 1.5189 1.5281 1.5352 1.5427 1.5497 1.5565 1.5698 1.5762 1.5885 1.5885 1.5946 1.6005	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2 1253.2 1259.2 1265.1 1271.0 1276.8	1.715 1.746 1.776 1.806 1.835 1.864 1.893 1.921 1.949 1.977 2.004 2.031	[49,6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5665 1.5773 1.5798 1.5860 1.5920 1.5920 1.5980	1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6 1258.6 1258.6 1270.4 1270.4	1.680 1.711 1.741 1.770 1.799 1.828 1.856 1.884 1.911 1.939 1.966 1.992	[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5579 1.5645 1.5773 1.5835 1.5835 1.5895	1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9 1257.9 1263.9 1263.9 1263.9	1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929	[412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485 1.55619 1.5684 1.5748 1.5810 1.5821 1.5831	1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1251.2
580 2.204 1.6285 1305.2 2.162 1.6261 1304.7 2.122 1.6237 1304.3 2.082 1.6214 1303.8 590 2.230 1.6338 1310.8 2.188 1.6314 1310.3 2.147 1.6291 1309.9 2.107 1.6268 1309.4 600 2.256 1.6391 1316.3 2.213 1.6367 1315.9 2.172 1.6344 1315.5 2.132 1.6321 1315.6 650 2.382 1.6643 1343.7 2.338 1.6620 1343.3 2.295 1.6597 1342.9 2.253 1.6575 1342.6 700 2.506 1.6879 1370.5 2.459 1.6857 1370.2 2.414 1.6835 1369.9 2.371 1.6813 1369.6 750 2.627 1.7104 1397.1 2.578 1.7082 1396.8 2.531 1.7060 1396.6 2.486 1.7039 1396.3 800 2.863 1.7522 1449.7	580 2.204 1.6285 1305.2 2.162 1.6261 1304.7 2.122 1.6237 1304.3 2.082 1.6214 1305.9 590 2.230 1.6338 1310.8 2.188 1.6314 1310.3 2.147 1.6291 1309.9 2.107 1.6268 1305.9 600 2.256 1.6391 1316.3 2.213 1.6367 1315.9 2.172 1.6344 1315.5 2.132 1.6321 131 650 2.382 1.6643 1343.7 2.338 1.6620 1343.3 2.295 1.6597 1342.9 2.253 1.6575 134 700 2.506 1.6879 1370.5 2.459 1.6857 1370.2 2.414 1.6835 1369.9 2.371 1.6813 136 750 2.627 1.7104 1397.1 2.578 1.7082 1396.8 2.531 1.7060 1396.6 2.486 1.7039 139 800 2.860 1.7522 1449.7 <th< th=""><th>420 430 440 450 460 470 480 490 510 520 530 540</th><th>1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960 1.988 2.016 2.044 2.071 2.098</th><th>[407.9] 1.5189 1.5281 1.5355 1.5427 1.5565 1.5632 1.5698 1.5762 1.5824 1.5885 1.5946 1.6063</th><th>1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2 1253.2 1259.2 1265.1 1271.0 1276.8 1282.6</th><th>1.715 1.746 1.776 1.806 1.835 1.864 1.893 1.921 1.949 1.977 2.004 2.031 2.058</th><th>[49,6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5605 1.5671 1.5735 1.5798 1.5860 1.5920 1.5980 1.6038</th><th>1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6 1258.6 1264.5 1270.4 1276.2 1282.0</th><th>1.680 1.711 1.741 1.770 1.799 1.828 1.856 1.884 1.911 1.939 1.966 1.992 2.019</th><th>[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5579 1.5645 1.5773 1.5835 1.5895 1.5955 1.6013</th><th>1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9 1257.9 1263.9 1263.9 1275.7 1281.5</th><th>1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929 1.955 1.981</th><th>[412.8] 1.5139 1.5195 1.5270 1.5344 1.5445 1.5485 1.5553 1.5619 1.5684 1.5871 1.5931 1.5938</th><th>1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1251.2 1257.3 1269.2</th></th<>	420 430 440 450 460 470 480 490 510 520 530 540	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960 1.988 2.016 2.044 2.071 2.098	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5565 1.5632 1.5698 1.5762 1.5824 1.5885 1.5946 1.6063	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2 1253.2 1259.2 1265.1 1271.0 1276.8 1282.6	1.715 1.746 1.776 1.806 1.835 1.864 1.893 1.921 1.949 1.977 2.004 2.031 2.058	[49,6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5605 1.5671 1.5735 1.5798 1.5860 1.5920 1.5980 1.6038	1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6 1258.6 1264.5 1270.4 1276.2 1282.0	1.680 1.711 1.741 1.770 1.799 1.828 1.856 1.884 1.911 1.939 1.966 1.992 2.019	[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5579 1.5645 1.5773 1.5835 1.5895 1.5955 1.6013	1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9 1257.9 1263.9 1263.9 1275.7 1281.5	1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929 1.955 1.981	[412.8] 1.5139 1.5195 1.5270 1.5344 1.5445 1.5485 1.5553 1.5619 1.5684 1.5871 1.5931 1.5938	1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1251.2 1257.3 1269.2
590 2.230 1.6338 1310.8 2.188 1.6314 1310.3 2.147 1.6291 1309.9 2.107 1.6268 1309.4 800 2.256 1.6391 1316.3 2.213 1.6367 1315.9 2.172 1.6344 1315.5 2.132 1.6321 1315.6 650 2.382 1.6643 1343.7 2.338 1.6620 1343.3 2.295 1.6597 1342.9 2.253 1.6575 1342.6 700 2.506 1.6879 1370.5 2.459 1.6857 1370.2 2.414 1.635 1369.9 2.371 1.6813 1369.6 750 2.627 1.7104 1397.1 2.578 1.7082 1396.8 2.531 1.7060 1396.6 2.486 1.7039 1396.3 800 2.761 1.7522 1449.7 2.810 1.7501 1449.6 2.759 1.7480 1449.4 2.710 1.7459 1449.2	590 2.230 1.6338 1310.8 2.188 1.6314 1310.3 2.147 1.6291 1309.9 2.107 1.6268 1306.8 1306.8 1.315.9 2.172 1.6344 1315.5 2.132 1.6321 1315.9 2.172 1.6344 1315.5 2.132 1.6321 1315.9 1342.9 1.6597 1342.9 2.253 1.6575 134.7 134.9 1.6857 1370.2 2.414 1.6835 1369.9 2.371 1.6813 1369.9 2.371 1.6813 1369.9 2.371 1.6813 1369.9 2.371 1.6813 1369.9 2.371 1.6813 1369.9 2.371 1.6813 1369.9 2.371 1.6813 1369.9 2.371 1.6813 1369.9 2.371 1.6813 1369.9 2.371 1.6813 1369.9 2.371 1.6813 1369.9 2.371 1.6813 1369.9 2.371 1.6813 1369.9 2.371 1.6813 1369.9 2.371 1.6813 1369.9 2.371 1.6813	420 430 440 450 460 470 480 490 510 520 530 540 560	1.751 1.782 1.813 1.843 1.873 1.960 1.988 2.016 2.044 2.071 2.098	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5427 1.5427 1.5632 1.5698 1.5762 1.5885 1.5946 1.6005 1.6063 1.6120 1.6176	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2 1253.2 1259.2 1265.1 1271.0 1276.8 1282.6	1.715 1.746 1.776 1.806 1.835 1.893 1.921 1.949 1.977 2.004 2.031 2.058	[499.6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5505 1.5671 1.5798 1.5860 1.5920 1.5980 1.6038 1.6095 1.6095 1.6151	1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6 1258.6 1270.4 1270.2 1282.0	1.680 1.711 1.741 1.770 1.799 1.828 1.856 1.884 1.911 1.939 1.966 1.992 2.019	[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5579 1.5645 1.5773 1.5835 1.5895 1.5955 1.6013 1.6071 1.6127	1207.4 1214.1 1220.6 1227.0 1233.3 1235.8 1251.9 1257.9 1263.9 1269.8 1275.7 1281.5	1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929 1.955 1.981	[412.8] 1.5139 1.5195 1.5270 1.5344 1.5485 1.5485 1.55619 1.5684 1.5748 1.5871 1.5989 1.6047 1.6103	1206.5 1213.2 1219.7 1226.2 1232.6 1232.6 1245.0 1251.2 1257.3 1269.3 1269.3 1275.1 1280.9
600 2.256 1.6391 1316.3 2.213 1.6367 1315.9 2.172 1.6344 1315.5 2.132 1.6321 1315.6 650 2.382 1.6643 1343.7 2.338 1.6620 1343.3 2.295 1.6597 1342.9 2.253 1.6575 1342.6 750 2.506 1.6879 1370.5 2.459 1.6857 1370.2 2.414 1.6835 1369.9 2.371 1.6813 1369.6 750 2.627 1.7104 1397.1 2.578 1.7082 1396.8 2.531 1.7060 1396.6 2.486 1.7039 1396.3 800 2.863 1.7522 1449.7 2.810 1.7501 1449.6 2.759 1.7480 1449.4 2.710 1.7459 1449.2	600 2.256 1.6391 1316.3 2.213 1.6367 1315.9 2.172 1.6344 1315.5 2.132 1.6321 1315.5 650 2.382 1.6643 1343.7 2.338 1.6620 1343.3 2.295 1.6597 1342.9 2.253 1.6575 134.7 700 2.506 1.6879 1370.5 2.459 1.6857 1370.2 2.414 1.6835 1369.9 2.371 1.6813 136 750 2.627 1.7104 1397.1 2.578 1.7082 1396.8 2.531 1.7060 1396.6 2.486 1.7039 1396.8 800 2.746 1.7317 1423.4 2.695 1.7296 1423.2 2.646 1.7274 1423.0 2.599 1.7253 1423.4 860 2.863 1.7522 1449.7 2.810 1.7501 1449.6 2.759 1.7480 1449.4 2.710 1.7459 1449.4	420 430 440 450 460 470 480 490 510 520 530 540 550 560 570	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960 1.988 2.016 2.044 2.071 2.098	[407.9] 1.5189 1.5281 1.5352 1.5427 1.5427 1.5565 1.5698 1.5762 1.5885 1.5946 1.6005 1.6003	1209.3 1215.8 1222.3 1228.6 1234.9 1247.2 1253.2 1253.2 1255.1 1271.0 1276.8 1282.6	1.715 1.746 1.776 1.806 1.835 1.893 1.921 1.949 1.977 2.004 2.031 2.058	[49,6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5605 1.5735 1.57735 1.5798 1.5860 1.5920 1.5980 1.6038 1.6095 1.6151 1.6206	1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6 1258.6 1264.5 1270.4 1276.2 1282.0	1.680 1.711 1.741 1.770 1.799 1.856 1.856 1.884 1.911 1.939 1.966 1.992 2.019	[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5573 1.5645 1.5773 1.5835 1.5895 1.6013 1.6071 1.6127 1.6182	1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9 1263.9 1263.9 1269.8 1275.7 1281.5	1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929 1.955 1.981	[412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485 1.55619 1.5684 1.5748 1.5810 1.5810 1.5989 1.6047 1.6103 1.6159	1206.5 1213.2 1219.7 1226.2 1232.6 1232.6 1245.0 1251.2 1257.3 1263.3 1269.2 1275.1 1280.9 1286.7 1292.5 1298.2
650 2.382 1.6643 1343.7 2.338 1.6620 1343.3 2.295 1.6597 1342.9 2.253 1.6575 1342.6 700 2.506 1.6879 1370.5 2.459 1.6857 1370.2 2.414 1.6835 1369.9 2.371 1.6813 1369.6 750 2.627 1.7104 1397.1 2.578 1.7082 1396.8 2.531 1.7060 1396.6 2.486 1.7039 1396.3 800 2.746 1.7317 1423.4 2.695 1.7296 1423.2 2.646 1.7274 1423.0 2.599 1.7253 1422.8 860 2.863 1.7522 1449.7 2.810 1.7501 1449.6 2.759 1.7480 1449.4 2.710 1.7459 1449.2	650 2.382 1.6643 1343.7 2.338 1.6620 1343.3 2.295 1.6597 1342.9 2.253 1.6575 134.700 2.506 1.6879 1370.5 2.459 1.6857 1370.2 2.414 1.6835 1369.9 2.371 1.6813 136.750 2.627 1.7104 1397.1 2.578 1.7082 1396.8 2.531 1.7060 1396.6 2.486 1.7039 1396.80 2.746 1.7317 1423.4 2.695 1.7296 1423.2 2.646 1.7274 1423.0 2.599 1.7253 1423.8860 2.863 1.7522 1449.7 2.810 1.7501 1449.6 2.759 1.7480 1449.4 2.710 1.7459 1449.6	420 430 440 450 460 470 480 510 520 530 540 550 560 570 580	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960 1.988 2.016 2.044 2.071 2.098 2.125 2.178 2.178	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5565 1.5632 1.5698 1.5762 1.5885 1.5946 1.6005 1.6063 1.6120 1.6126 1.6231 1.6285	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2 1253.2 1253.2 1265.1 1276.8 1282.6 1288.3 1294.0 1299.6 1305.2	1.715 1.746 1.776 1.806 1.835 1.864 1.893 1.921 1.949 1.977 2.003 2.031 2.058 2.084 2.110 2.136 2.162	[49,6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5657 1.5735 1.5798 1.5890 1.693 1.6095 1.6151 1.6206 1.6261	1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6 1258.6 1264.5 1270.4 1270.2 1282.0 1287.8 1293.5 1299.1 1304.7	1.680 1.711 1.741 1.770 1.799 1.828 1.856 1.884 1.911 1.936 1.966 1.992 2.019 2.045 2.070 2.096 2.122	[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5579 1.5645 1.5773 1.5835 1.5895 1.6013 1.6017 1.6127 1.6182 1.6237	1207.4 1214.1 1220.6 1227.0 1233.3 1235.8 1245.8 1251.9 1269.8 1275.7 1281.5 1287.2 1292.9 1298.6 1304.3	1.647 1.677 1.707 1.736 1.764 1.792 1.8248 1.875 1.902 1.955 1.981 2.007 2.032 2.057 2.082	[412.8] 1.5139 1.5195 1.5270 1.5344 1.5445 1.5485 1.5553 1.5619 1.5684 1.5871 1.5989 1.6047 1.6103 1.6159 1.6214	1206.5 1213.2 1219.7 1226.2 1232.6 1232.6 1245.0 1251.2 1257.3 1269.2 1275.1 1280.9 1286.7 1292.5 1298.2 1303.8
700 2.506 1.6879 1370.5 2.459 1.6857 1370.2 2.414 1.6835 1369.9 2.371 1.6813 1369.6 750 2.627 1.7104 1397.1 2.578 1.7082 1396.8 2.531 1.7060 1396.6 2.486 1.7039 1396.3 800 2.746 1.7317 1423.4 2.695 1.7296 1423.2 2.646 1.7274 1423.0 2.599 1.7253 1422.8 860 2.863 1.7522 1449.7 2.810 1.7501 1449.6 2.759 1.7480 1449.4 2.710 1.7459 1449.2	700 2.506 1.6879 1370.5 2.459 1.6857 1370.2 2.414 1.6835 1369.9 2.371 1.6813 1369.7 1370.2 2.627 1.7104 1397.1 2.578 1.7082 1396.8 2.531 1.7060 1396.6 2.486 1.7039 1396.8 2.746 1.7317 1423.4 2.695 1.7296 1423.2 2.646 1.7274 1423.0 2.599 1.7253 1423.8 860 2.863 1.7522 1449.7 2.810 1.7501 1449.6 2.759 1.7480 1449.4 2.710 1.7459 1449.6	420 430 440 460 470 480 490 500 5120 530 540 560 570 580 590	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960 1.988 2.016 2.044 2.071 2.098 2.125 2.178 2.178	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5565 1.5632 1.5698 1.5762 1.5885 1.5946 1.6005 1.6063 1.6120 1.6176 1.6231 1.6285 1.6338	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2 1253.2 1253.2 1265.1 1276.8 1282.6 1288.3 1294.0 1299.6 1305.2	1.715 1.746 1.776 1.806 1.835 1.864 1.893 1.921 1.949 1.977 2.003 2.031 2.058 2.084 2.110 2.136 2.162	[49,6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5657 1.5735 1.5798 1.5890 1.693 1.6095 1.6151 1.6206 1.6261	1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6 1258.6 1264.5 1270.4 1270.2 1282.0 1287.8 1293.5 1299.1 1304.7	1.680 1.711 1.741 1.770 1.799 1.828 1.856 1.884 1.911 1.936 1.966 1.992 2.019 2.045 2.070 2.096 2.122	[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5579 1.5645 1.5773 1.5835 1.5895 1.6013 1.6017 1.6127 1.6182 1.6237	1207.4 1214.1 1220.6 1227.0 1233.3 1235.8 1245.8 1251.9 1269.8 1275.7 1281.5 1287.2 1292.9 1298.6 1304.3	1.647 1.677 1.707 1.736 1.764 1.792 1.8248 1.875 1.902 1.955 1.981 2.007 2.032 2.057 2.082	[412.8] 1.5139 1.5195 1.5270 1.5344 1.5445 1.5485 1.5553 1.5619 1.5684 1.5871 1.5989 1.6047 1.6103 1.6159 1.6214	1206.5 1213.2 1219.7 1226.2 1232.6 1232.6 1245.0 1251.2 1257.3 1263.3 1269.2 1275.1 1280.9 1286.7 1292.5 1298.2
750 2.627 1.7104 1397.1 2.578 1.7082 1396.8 2.531 1.7060 1396.6 2.486 1.7039 1396.3 800 2.746 1.7317 1423.4 2.695 1.7296 1423.2 2.646 1.7274 1423.0 2.599 1.7253 1422.8 860 2.863 1.7522 1449.7 2.810 1.7501 1449.6 2.759 1.7480 1449.4 2.710 1.7459 1449.2	750 2.627 1.7104 1397.1 2.578 1.7082 1396.8 2.531 1.7060 1396.6 2.486 1.7039 1396 800 2.746 1.7317 1423.4 2.695 1.7296 1423.2 2.646 1.7274 1423.0 2.599 1.7253 1423 860 2.863 1.7522 1449.7 2.810 1.7501 1449.6 2.759 1.7480 1449.4 2.710 1.7459 1449.4	420 430 440 460 470 480 490 500 510 520 530 540 550 560 570 580 590	1.751 1.782 1.813 1.843 1.873 1.992 1.992 1.960 1.988 2.016 2.044 2.071 2.098 2.125 2.152 2.178 2.204 2.230	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5427 1.5427 1.5565 1.5698 1.5762 1.5885 1.5946 1.6005 1.6063 1.6120 1.6120 1.6126 1.6231 1.6285 1.6338	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2 1253.2 1259.2 1265.1 1271.0 1276.8 1282.6 1288.3 1294.0 1299.6 1305.2 1310.8	1.715 1.746 1.776 1.835 1.835 1.8921 1.949 1.977 2.004 2.031 2.058 2.110 2.136 2.162 2.188	[499.6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5605 1.5798 1.5860 1.5920 1.5980 1.6038 1.6095 1.6151 1.6206 1.6261 1.6314 1.6367	1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6 1258.6 1270.4 1276.2 1282.0 1287.8 1293.5 1299.1 1304.7 1310.3	1.680 1.711 1.741 1.770 1.799 1.828 1.856 1.856 1.991 1.939 1.966 1.992 2.019 2.045 2.070 2.096 2.122 2.147	[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5579 1.5675 1.5773 1.5835 1.5895 1.6071 1.6127 1.6182 1.6237 1.6237 1.6291 1.6344	1207.4 1214.1 1220.6 1227.0 1233.3 1235.8 1251.9 1263.9 1263.9 1269.8 1275.7 1281.5 1287.2 1292.9 1298.6 1304.3 1309.9	1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929 1.955 1.981 2.007 2.032 2.057 2.082 2.107	[412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485 1.55619 1.5684 1.5748 1.5810 1.5989 1.6047 1.6103 1.6159 1.60214 1.6268 1.6321	1206.5 1213.2 1219.7 1226.2 1232.6 1232.6 1245.0 1251.2 1257.3 1263.3 1269.2 1275.1 1280.9 1286.7 1292.5 1298.2 1303.8 1309.4
800 2.746 1.7317 1423.4 2.695 1.7296 1423.2 2.646 1.7274 1423.0 2.599 1.7253 1422.8 860 2.863 1.7522 1449.7 2.810 1.7501 1449.6 2.759 1.7480 1449.4 2.710 1.7459 1449.2	800 2.746 1.7317 1423.4 2.695 1.7296 1423.2 2.646 1.7274 1423.0 2.599 1.7253 1423 860 2.863 1.7522 1449.7 2.810 1.7501 1449.6 2.759 1.7480 1449.4 2.710 1.7459 1449.4	420 430 440 450 460 470 480 490 500 510 520 530 540 560 570 580 590 600 650	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960 1.988 2.016 2.044 2.071 2.098 2.125 2.178 2.204 2.230 2.230	[407.9] 1.5189 1.5281 1.5352 1.5427 1.5427 1.5427 1.5565 1.5638 1.5762 1.5885 1.5005 1.6005 1.6120 1.6176 1.6231 1.6285 1.6338 1.6338 1.6391 1.6643	1209.3 1215.8 1222.3 1228.6 1234.9 1247.2 1253.2 1253.2 1255.1 1271.0 1276.8 1282.6 1288.3 1294.0 1299.6 1305.2 1310.8	1.715 1.746 1.776 1.806 1.835 1.893 1.921 1.949 1.977 2.004 2.031 2.058 2.084 2.110 2.136 2.162 2.188 2.213	[49,6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5651 1.5738 1.5798 1.5860 1.5920 1.5980 1.6038 1.6095 1.6151 1.6266 1.6261 1.6314 1.6367 1.63620	1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6 1264.5 1270.4 1276.2 1282.0 1287.8 1293.5 1299.1 1304.7 1310.3	1.680 1.711 1.741 1.770 1.799 1.856 1.856 1.884 1.911 1.939 1.966 1.992 2.019 2.045 2.070 2.096 2.122 2.147	[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5573 1.5645 1.5773 1.5835 1.5895 1.6071 1.6127 1.6182 1.6237 1.6291 1.6344 1.6597	1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9 1263.9 1263.9 1275.7 1281.5 1287.2 1292.9 1298.6 1304.3 1309.9	1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929 1.955 1.981 2.007 2.032 2.057 2.082 2.107	[412.8] 1.5139 1.5195 1.5270 1.5344 1.5445 1.5485 1.5553 1.5619 1.5684 1.5871 1.5989 1.6047 1.6159 1.6214 1.6268	1206.5 1213.2 1219.7 1226.2 1232.6 1232.6 1245.0 1251.2 1257.3 1263.3 1269.2 1275.1 1280.9 1286.7 1292.5 1303.8 1309.4
860 2.863 1.7522 1449.7 2.810 1.7501 1449.6 2.759 1.7480 1449.4 2.710 1.7459 1449.2	860 2.863 1.7522 1449.7 2.810 1.7501 1449.6 2.759 1.7480 1449.4 2.710 1.7459 1449.4	420 430 440 450 450 470 480 490 510 520 530 540 560 570 650 650 700	1.751 1.782 1.813 1.843 1.902 1.931 1.960 1.988 2.016 2.044 2.071 2.098 2.125 2.178 2.224 2.230 2.256 2.382 2.506	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5497 1.5565 1.5632 1.5698 1.5762 1.5824 1.5885 1.5046 1.6005 1.6120 1.6120 1.6126 1.6285 1.6338 1.6391 1.6643 1.6879	1209.3 1215.8 1222.3 1228.6 1234.9 1244.9 1247.2 1253.2 1253.2 1265.1 1271.0 1276.8 1282.6 1288.3 1294.0 1299.2 1305.2 1310.8	1.715 1.776 1.806 1.836 1.864 1.893 1.921 1.949 1.977 2.004 2.031 2.058 2.084 2.110 2.136 2.136 2.138 2.213 2.338 2.459	[499.6] 1.5172 1.5252 1.5326 1.5339 1.5469 1.5538 1.5605 1.5735 1.5798 1.5980 1.6038 1.6038 1.6038 1.6206 1.6206 1.6261 1.6314 1.6367 1.6620 1.6620 1.6620	1208.4 1215.0 1221.4 1227.8 1234.1 1246.5 1252.6 1252.6 1264.5 1270.4 1276.2 1282.0 1287.8 1299.1 1304.7 1310.3	1.680 1.711 1.741 1.770 1.792 1.828 1.856 1.884 1.911 1.939 1.966 1.992 2.019 2.045 2.070 2.092 2.147	[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5545 1.5773 1.5835 1.5895 1.5955 1.6013 1.6071 1.6182 1.6237 1.6182 1.6237 1.6182 1.6237 1.6291	1207.4 1214.1 1220.6 1227.0 1233.3 1245.8 1251.9 1269.8 1275.7 1269.8 1275.7 1281.5 1287.2 1292.9 1298.3 1304.3 1309.9	1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929 1.955 1.981 2.007 2.032 2.057 2.082 2.107	[412.8] 1.5139 1.5195 1.5270 1.5344 1.5445 1.5485 1.5553 1.5619 1.5684 1.5871 1.5989 1.6047 1.6159 1.6214 1.6268 1.6321 1.6575 1.6813	1206.5 1213.2 1219.7 1226.2 1232.8 1245.0 1251.2 1257.3 1269.2 1275.1 1280.9 1286.7 1292.5 1292.5 1293.8 1309.4
		420 430 440 450 470 480 490 510 520 530 540 550 560 570 580 590 600 650 700 750	1.751 1.782 1.813 1.843 1.973 1.960 1.988 2.016 2.044 2.071 2.098 2.125 2.152 2.178 2.204 2.236 2.382 2.382 2.506 2.627	[407.9] 1.5189 1.5281 1.5355 1.5497 1.5565 1.5632 1.5698 1.5762 1.5885 1.5946 1.6005 1.6120 1.6205 1.6205 1.6231 1.6285 1.6338 1.6338 1.6391 1.66489 1.7104	1209.3 1215.8 1222.3 1228.6 1234.9 1247.2 1253.2 1259.2 1265.1 1271.0 1276.8 1282.6 1299.6 1305.2 1310.8 1310.3 1343.7 1370.5 1397.1	1.715 1.746 1.776 1.806 1.835 1.863 1.921 1.949 1.977 2.004 2.031 2.058 2.136 2.136 2.136 2.136 2.136 2.138 2.213 2.338 2.459 2.578	1.5252 1.5326 1.5326 1.5326 1.5326 1.5538 1.5653 1.5657 1.5735 1.5798 1.5860 1.5920 1.5980 1.6038 1.6095 1.6261 1.6261 1.6314 1.6367 1.6620 1.6857 1.7082	1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6 1258.6 1264.5 1270.4 1276.2 1282.0 1287.8 1293.5 1299.1 1304.3 1315.9 1343.3 1315.9 1343.3 1370.2 1396.8	1.680 1.711 1.741 1.770 1.792 1.828 1.856 1.884 1.911 1.939 1.966 1.992 2.019 2.045 2.070 2.122 2.1147 2.172 2.295 2.414 2.531	[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5573 1.5835 1.5895 1.5955 1.6013 1.6071 1.6127 1.6127 1.6291 1.6231 1.6291 1.6344 1.6597 1.6344 1.6597	1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9 1269.8 1275.7 1281.5 1287.2 1292.9 1298.6 1304.3 1309.9 1315.5 1342.9 1366.6	1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929 1.955 1.981 2.007 2.032 2.057 2.032 2.107 2.132 2.257 2.2531 2.371 2.486	[412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5553 1.5659 1.5684 1.5748 1.5871 1.5931 1.5989 1.6047 1.6103 1.61214 1.6268 1.6254 1.6268 1.6321 1.6575 1.6813 1.7039	1206.5 1213.2 1219.7 1226.2 1232.6 1232.6 1245.0 1251.2 1257.3 1263.3 1269.2 1275.1 1280.9 1286.7 1292.5 1303.8 1309.4
900 2,979 1,7719 1476.0 2,924 1,7698 1475.0 2,872 1,7677 1475.7 2,821 1,7657 1475.6	100 a 000 t 000 t 400 t	420 430 440 460 470 480 490 500 510 520 530 540 560 570 580 590 600 650 700 750 800	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960 1.988 2.016 2.044 2.071 2.098 2.125 2.178 2.204 2.230 2.256 2.382 2.506 2.627 2.746	[407.9] 1.5189 1.5281 1.5355 1.5497 1.5565 1.5632 1.5698 1.5762 1.5885 1.5946 1.6005 1.6120 1.6205 1.6205 1.6231 1.6285 1.6338 1.6338 1.6391 1.66489 1.7104	1209.3 1215.8 1222.3 1228.6 1234.9 1247.2 1253.2 1259.2 1265.1 1271.0 1276.8 1282.6 1299.6 1305.2 1310.8 1310.3 1343.7 1370.5 1397.1	1.715 1.746 1.776 1.806 1.835 1.863 1.921 1.949 1.977 2.004 2.031 2.058 2.136 2.136 2.136 2.136 2.136 2.138 2.213 2.338 2.459 2.578	1.5252 1.5326 1.5326 1.5326 1.5326 1.5538 1.5653 1.5657 1.5735 1.5798 1.5860 1.5920 1.5980 1.6038 1.6095 1.6261 1.6261 1.6314 1.6367 1.6620 1.6857 1.7082	1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6 1258.6 1264.5 1270.4 1276.2 1282.0 1287.8 1293.5 1299.1 1304.3 1315.9 1343.3 1315.9 1343.3 1370.2 1396.8	1.680 1.711 1.741 1.770 1.792 1.828 1.856 1.884 1.911 1.939 1.966 1.992 2.019 2.045 2.070 2.122 2.1147 2.172 2.295 2.414 2.531	[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5573 1.5835 1.5895 1.5955 1.6013 1.6071 1.6127 1.6127 1.6291 1.6231 1.6291 1.6344 1.6597 1.6344 1.6597	1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9 1269.8 1275.7 1281.5 1287.2 1292.9 1298.6 1304.3 1309.9 1315.5 1342.9 1366.6	1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929 1.955 1.981 2.007 2.032 2.057 2.032 2.107 2.132 2.257 2.2531 2.371 2.486	[412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5553 1.5659 1.5684 1.5748 1.5871 1.5931 1.5989 1.6047 1.6103 1.61214 1.6268 1.6254 1.6268 1.6321 1.6575 1.6813 1.7039	1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1251.2 1257.3 1269.2 1275.1 1280.9 1286.7 1292.5 1298.2 1303.8 1309.4 1315.0 1342.6 1369.6 1369.6
- 1 000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	900 2.979 1.7719 1476.0 2.924 1.7698 1475.9 2.872 1.7677 1475.7 2.821 1.7657 1475	420 430 440 450 460 470 480 490 510 520 530 540 560 570 580 590 600 650 700 750 800	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960 1.988 2.016 2.044 2.071 2.098 2.125 2.152 2.178 2.204 2.230 2.256 2.382 2.382 2.506 2.627 2.746 2.863	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5497 1.5565 1.5632 1.5698 1.5762 1.5824 1.5885 1.6063 1.6120 1.6285 1.6231 1.6285 1.6338 1.6391 1.6433 1.6879 1.7104 1.7317	1209.3 1215.8 1222.3 1228.6 1234.9 1247.2 1253.2 1253.2 1275.0 1271.0 1271.0 1299.6 1305.2 1310.8 1316.3 1343.7 1370.5 1397.1 1423.4	1.715 1.746 1.776 1.806 1.836 1.893 1.921 1.949 1.977 2.004 2.031 2.058 2.084 2.110 2.136 2.162 2.188 2.213 2.338 2.459 2.578 2.695	1.5252 1.5326 1.5326 1.5329 1.5469 1.5538 1.5605 1.5671 1.5735 1.5980 1.6038 1.6038 1.6095 1.6261 1.6261 1.6314 1.6367 1.6620 1.6857 1.7082 1.7296	1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6 1258.6 1264.5 1270.4 1270.4 1276.2 1282.0 1287.8 1293.5 1299.1 1304.7 1310.3 1315.9 1343.3 1370.2 1396.8 1423.2	1.680 1.711 1.741 1.770 1.792 1.828 1.856 1.884 1.911 1.939 1.966 1.992 2.070 2.070 2.070 2.122 2.147 2.172 2.295 2.414 2.531 2.646	[411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5579 1.5645 1.5773 1.5835 1.5895 1.5955 1.6013 1.6071 1.6127 1.6182 1.6237 1.6291 1.6344 1.6597 1.6383 1.7060 1.7274	1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9 1269.8 1275.7 1281.5 1287.2 1292.9 1298.6 1304.3 1309.9 1315.5 1342.9 1369.9 1369.9 1396.6 1449.4	1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929 1.955 1.981 2.007 2.032 2.057 2.082 2.107	[412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485 1.5553 1.5619 1.5684 1.5871 1.5989 1.6047 1.6159 1.6214 1.6268 1.6321 1.62575 1.6813 1.7039 1.7253	1206.5 1213.2 1219.7 1226.2 1232.8 1245.0 1251.2 1257.3 1269.2 1275.1 1280.9 1286.7 1298.2 1303.8 1309.4 1315.0 1342.6 1369.6 1369.6 1396.3 1449.2

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TABLE 3. SUPERHEATED STEAM

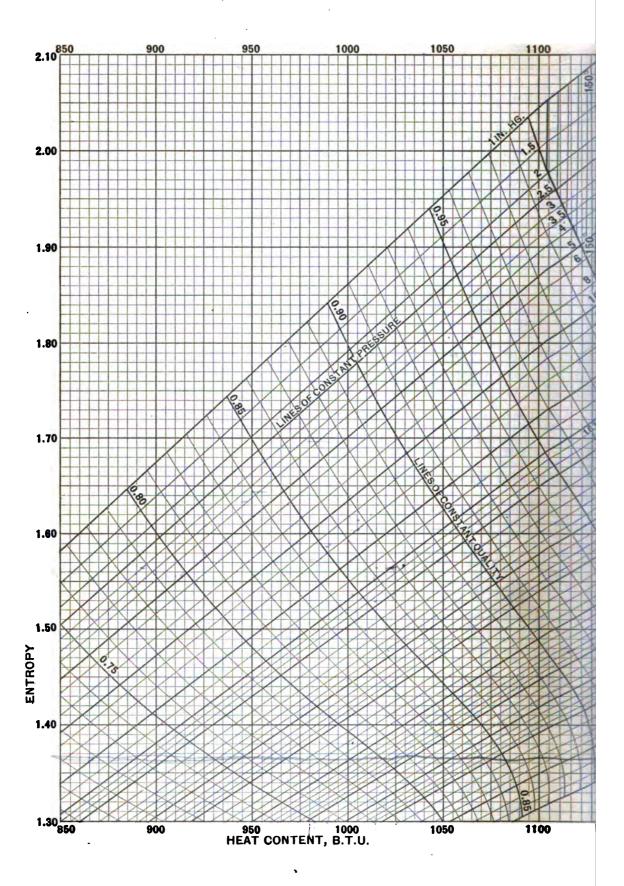
Pres- sure		290 [414.4]	-		295 [415.9]			300 [417.5]			310 [420.5]	
Temp F.	₹	8	i	•		i	٧		i	▼		i
Sat.	1.598	1.5123	1201.7	1.571	1.5108	1201.8	1.545	1.5092	1201.9	1.496	1.5062	1202.0
420	1.614	1.5167	1205.5	1.583	1.5139	1204.6	1.553	1.5112	1203.6			
430 440	1.644	1.5243	1212.3	1.612	1.5216	1211.4	1.582	1.5189	1210.4	1.523	1.5136	1208.6
											_	
1 50	1.702	1.5389	1225.4		1.5362	1224.5	1.638	1.5336	1223.7	1.579	1.5285	1222.0
70	1.758	1.5527	1238.1		1.5501	1237.3	1.693	1.5476	1236.6	1.633	1.5427	1235.0
180 ∣ 190 ∣	1.786	1.5594	1244.3		1.5568	1243.6	1.720 1.747	1.5544	1242.9	1.659	1.5495	1241.4
500	1.840		1256.6		1.5698			1.5674	1255.2	1.711	1.5626	1253.9
510	1.866	1.5723	1262.6		1.5761		1.773	1.5737	1253.2	1.736	1.5690	1250.0
520	1.893	1.5846	1268.6	1.858	1.5823	1268.0	1.825	1.5799	1267.4	1.761	1.5752	1266.1
530 540	1.919	1.5906	1274.5		1.5883	1273.9	1.850	1.5859	1273.3	1.786	1.5813	1272.1
	_											
5 50 560	1.970	1.6023	1286.2	1.934	1.6000	1285.6	1.900	1.5977 1.6034	1285.1	1.834	1.5932	1284.0
70	2.020	1.6136	1297.6		1.6113	1297.1	1.949	1.6090	1296.6	1.882	1.6046	1295.6
80	2.045	1.6191	1303.3		1.6168	1302.8	1.973	1.6146	1302.4	1.905	1.6102	1301.4
90	2.069	1.6245	1309.0	2.032	1.6222	1308.5	1.997	1.6200	1308.1	1.929	1.6157	1307.1
300	2.093	1.6298	1314.6	2.056	1.6276		24020	1.6254	1313.7	1.952	1.6211	1312.8
550 700	2.213	1.6553	1342.2	2.174	1.6532	1341.8 1369.0	2.136	1.6510	1341.5	2.065	1.6469	1340.7
750	2.442	1.7018	1396.1	2.400	1.6997	1395.8	2.359	1.6977	1395.6	2.281	1.6937	1395.0
000	2.553	1.7233	1422.6	2.509	1.7213	1422.4	2.467	1.7193	1422.2	2.386	1.7153	1421.7
350	2.663	1.7439	1449.0	2.617			2.573	1.7399	1448.7	2.489	1.7360	1448.3
900	2.772	1.7637	1475.4	2.724	1.7017	1475.3	2.678	1.7597	1475.1	2.591	1.7559	1474.8
		320 [423.4]			330 [426.3]			340 [429.1]			350 [431.9]	
Sat.	1.450	1.5032	1202.2	1.407	1.5004	1202.3	1.366	1.4976	1202.4	1.327	1.4949	1 202.5
430	1.469	1.5084	1206.8	1.417	1.5033	1204.9	1.368	1.4983	1203.0			
140	1.496	1.5160	1213.6	1.444	1.5110	1211.8		1.5061	1210.0	1.348	1.5013	1 208.2
150	1.523	1.5235	1220.3	1.471	1.5186	06						1215.2
160 170	1.550		_		_	1218.6	1.421	1.5137	1216.9	1.374	1.5090	
F/~		1.5307	1227.0	1.497	1.5259	1225.3	1.447	1.5211	1223.7	1.399	1.5165	1222.0
180 l	1.576	1.5307 1.5378 1.5447	1227.0	1.497 1.522	1.5259	1			•			1222.0
	1.576	1.5378	1227.0	1.497 1.522	1.5259	1225.3	I.447 I.472	1.5211 1.5283	1223.7	1.399 1.424	1.5165 1.5238	1222.0
190 5 00	1.576 1.602 1.627 1.652	1.5378 1.5447 1.5514 1.5580	1227.0 1233.5 1239.9 1246.3	1.497 1.522 1.547 1.572	1.5259 1.5330 1.5400 1.5468	1225.3 1231.9 1238.4	1.447 1.472 1.497 1.521	1.5211 1.5283 1.5354 1.5422	1223.7 1230.4 1236.9 1243.4	1.399 1.424 1.448 1.472 1.496	1.5165 1.5238 1.5309 1.5378	1222.0 1228.8 1235.4 1242.0
190 500 510	1.576 1.602 1.627 1.652 1.677	1.5378 1.5447 1.5514 1.5580 1.5644	1227.0 1233.5 1239.9 1246.3 1252.6 1258.8	1.497 1.522 1.547 1.572 1.597 1.621	1.5259 1.5330 1.5400 1.5468 1.5534 1.5599	1225.3 1231.9 1238.4 1244.9 1251.2 1257.4	1.447 1.472 1.497 1.521 1.545 1.569	1.5211 1.5283 1.5354 1.5422 1.5489 1.5555	1223.7 1230.4 1236.9 1243.4 1249.8 1256.1	1.399 1.424 1.448 1.472 1.496 1.519	1.5165 1.5238 1.5309 1.5378 1.5446 1.5512	1222.0 1228.8 1235.4 1242.0 1248.4 1254.8
500 510 520	1.576 1.602 1.627 1.652 1.677 1.701	1.5378 1.5447 1.5514 1.5580 1.5644 1.5707	1227.0 1233.5 1239.9 1246.3 1252.6 1258.8 1264.9	1.497 1.522 1.547 1.572 1.597 1.621 1.645	1.5259 1.5330 1.5400 1.5468 1.5534 1.5599 1.5662	1225.3 1231.9 1238.4 1244.9 1251.2 1257.4 1263.6	1.447 1.472 1.497 1.521 1.545 1.569 1.592	1.5211 1.5283 1.5354 1.5422 1.5489 1.5555 1.5619	1223.7 1230.4 1236.9 1243.4 1249.8 1256.1 1262.4	1.399 1.424 1.448 1.472 1.496 1.519	1.5165 1.5238 1.5309 1.5378 1.5446 1.5512 1.5576	1222.0 1228.8 1235.4 1242.0 1248.4 1254.8 1261.1
\$00 510 520 530	1.576 1.602 1.627 1.652 1.677	1.5378 1.5447 1.5514 1.5580 1.5644	1227.0 1233.5 1239.9 1246.3 1252.6 1258.8 1264.9	1.497 1.522 1.547 1.572 1.597 1.621 1.645 1.669	1.5259 1.5330 1.5400 1.5468 1.5534 1.5599 1.5662	1225.3 1231.9 1238.4 1244.9 1251.2 1257.4 1263.6	1.447 1.472 1.497 1.521 1.545 1.569	1.5211 1.5283 1.5354 1.5422 1.5489 1.5555	1223.7 1230.4 1236.9 1243.4 1249.8 1256.1	1.399 1.424 1.448 1.472 1.496 1.519	1.5165 1.5238 1.5309 1.5378 1.5446 1.5512	1222.0 1228.8 1235.4 1242.0 1248.4 1254.8
500 510 520 530 540	1.576 1.602 1.627 1.652 1.677 1.701 1.725 1.749	1.5378 1.5447 1.5514 1.5580 1.5644 1.5707 1.5768 1.5829	1227.0 1233.5 1239.9 1246.3 1252.6 1258.8 1264.9 1277.0 1282.9	1.497 1.522 1.547 1.572 1.597 1.621 1.645 1.669 1.692	1.5259 1.5330 1.5400 1.5468 1.5534 1.5599 1.5662 1.5724 1.5785	1225.3 1231.9 1238.4 1244.9 1251.2 1257.4 1263.6 1269.7 1275.8	1.447 1.472 1.497 1.521 1.545 1.569 1.592 1.615 1.638	1.5211 1.5283 1.5354 1.5422 1.5489 1.5555 1.5619 1.5681 1.5743	1223.7 1230.4 1236.9 1243.4 1249.8 1256.1 1262.4 1268.5 1274.6	1.399 1.424 1.448 1.472 1.496 1.519 1.542 1.565 1.587	1.5165 1.5238 1.5309 1.5378 1.5446 1.5512 1.5576 1.5639 1.5701	1222.0 1228.8 1235.4 1242.0 1248.4 1254.8 1261.1 1267.3 1273.5
190 500 510 520 530 540 550 560	1.576 1.602 1.627 1.652 1.677 1.701 1.725 1.749 1.773 1.796	1.5378 1.5447 1.5514 1.5580 1.5644 1.5707 1.5768 1.5829 1.5888 1.5946	1227.0 1233.5 1239.9 1246.3 1252.6 1258.8 1264.9 1271.0 1277.0	1.497 1.522 1.547 1.572 1.597 1.621 1.645 1.669 1.692	1.5259 1.5330 1.5400 1.5468 1.5534 1.5599 1.5662 1.5724 1.5785 1.5845 1.5903	1225.3 1231.9 1238.4 1244.9 1251.2 1257.4 1263.6 1269.7 1275.8 1281.8 1287.7	1.447 1.472 1.497 1.521 1.545 1.569 1.592 1.615 1.638 1.661 1.683	1.5211 1.5283 1.5354 1.5422 1.5489 1.5555 1.5619 1.5681 1.5743 1.5803 1.5862	1223.7 1230.4 1236.9 1243.4 1249.8 1256.1 1262.4 1268.5 1274.6	1.399 1.424 1.448 1.472 1.496 1.519 1.542 1.565 1.587 1.609 1.631	1.5165 1.5238 1.5309 1.5378 1.5446 1.5512 1.5576 1.5639 1.5701 1.5762 1.5762	1222.0 1228.8 1235.4 1242.0 1248.4 1254.8 1261.1 1267.3 1273.5
500 510 520 530 540 550 560 570	1.576 1.602 1.627 1.652 1.677 1.701 1.725 1.749 1.773 1.796 1.819	1.5378 1.5447 1.5514 1.5580 1.5644 1.5707 1.5768 1.5829 1.5888 1.5946 1.6003	1227.0 1233.5 1239.9 1246.3 1252.6 1258.8 1264.9 1271.0 1277.0 1282.9 1288.8 1294.6	1.497 1.522 1.547 1.572 1.597 1.621 1.665 1.669 1.715 1.738 1.761	1.5259 1.5330 1.5400 1.5468 1.5534 1.5599 1.5662 1.5724 1.5785	1225.3 1231.9 1238.4 1244.9 1251.2 1257.4 1263.6 1269.7 1275.8 1281.8 1287.7 1293.6	1.447 1.472 1.497 1.521 1.545 1.569 1.592 1.615 1.638 1.661 1.683	1.5211 1.5283 1.5354 1.5422 1.5489 1.5555 1.5619 1.5681 1.5743 1.5803 1.5862 1.5920	1223.7 1230.4 1236.9 1243.4 1249.8 1256.1 1262.4 1268.5 1274.6 1280.7 1286.6 1292.6	1.399 1.424 1.448 1.472 1.496 1.519 1.565 1.587 1.609 1.631 1.653	1.5165 1.5238 1.5309 1.5378 1.5446 1.5512 1.5576 1.5639 1.5701 1.5762 1.5821 1.5879	1222.0 1228.8 1235.4 1242.0 1248.4 1254.8 1261.1 1267.3 1273.5 1279.6 1285.6 1291.5
190 500 510 520 530 540 560 560 570 580	1.576 1.602 1.627 1.652 1.677 1.701 1.725 1.749 1.773 1.796	1.5378 1.5447 1.5514 1.5580 1.5644 1.5707 1.5768 1.5829 1.5888 1.5946	1227.0 1233.5 1239.9 1246.3 1252.6 1258.8 1264.9 1271.0 1277.0	1.497 1.522 1.547 1.572 1.597 1.621 1.645 1.669 1.692	1.5259 1.5330 1.5400 1.5468 1.5534 1.5599 1.5662 1.5724 1.5785 1.5845 1.5903 1.5961	1225.3 1231.9 1238.4 1244.9 1251.2 1257.4 1263.6 1269.7 1275.8 1281.8 1287.7	1.447 1.472 1.497 1.521 1.545 1.569 1.592 1.615 1.638 1.661 1.683	1.5211 1.5283 1.5354 1.5422 1.5489 1.5555 1.5619 1.5681 1.5743 1.5803 1.5862	1223.7 1230.4 1236.9 1243.4 1249.8 1256.1 1262.4 1268.5 1274.6	1.399 1.424 1.448 1.472 1.496 1.519 1.542 1.565 1.587 1.609 1.631	1.5165 1.5238 1.5309 1.5378 1.5446 1.5512 1.5576 1.5639 1.5701 1.5762 1.5762	1222.0 1228.8 1235.4 1242.0 1248.4 1254.8 1261.1 1267.3 1273.5
500 510 520 530 540 560 570 580 590	1.576 1.602 1.627 1.652 1.677 1.701 1.725 1.749 1.773 1.796 1.812 1.865	1.5378 1.5447 1.5514 1.5580 1.5644 1.5707 1.5768 1.5829 1.5888 1.5946 1.6003 1.6059 1.6114	1227.0 1233.5 1239.9 1246.3 1252.6 1258.8 1264.9 1271.0 1277.0 1282.9 1288.8 1294.6 1300.4 1306.2	1.497 1.522 1.547 1.572 1.597 1.621 1.645 1.669 1.715 1.738 1.761 1.783 1.805	1.5259 1.5330 1.5468 1.5534 1.5534 1.55662 1.5724 1.5785 1.5845 1.5903 1.5961 1.6017 1.6073	1225.3 1231.9 1238.4 1244.9 1251.2 1257.4 1269.7 1275.8 1281.8 1287.7 1293.6 1299.5 1305.2	1.447 1.472 1.497 1.521 1.545 1.569 1.592 1.615 1.638 1.661 1.683 1.705 1.727 1.749	1.5211 1.5283 1.5354 1.5422 1.5489 1.55619 1.5681 1.5743 1.5862 1.5920 1.5977 1.6033 1.6088	1223.7 1230.4 1230.4 1243.4 1243.4 1249.8 1256.1 1268.5 1274.6 1280.7 1286.6 1292.6 1298.5 1304.3	1.399 1.424 1.448 1.472 1.496 1.519 1.542 1.565 1.587 1.609 1.631 1.653 1.674 1.696	1.5165 1.5238 1.5329 1.5378 1.5446 1.5512 1.5526 1.5526 1.5639 1.5701 1.5821 1.5821 1.5821 1.5821 1.5823 1.5933	1222.0 1228.8 1235.4 1242.0 1248.4 1254.8 1261.1 1267.3 1273.5 1279.6 1285.6 1291.5 1297.4 1303.3
500 510 520 530 540 560 560 580 590 500	1.576 1.602 1.627 1.652 1.677 1.701 1.725 1.749 1.773 1.796 1.819 1.842 1.865 1.887	1.5378 1.5447 1.5514 1.5580 1.5644 1.5768 1.5829 1.5888 1.5946 1.6003 1.6059 1.6114 1.6169 1.6428	1227.0 1233.5 1239.9 1246.3 1252.6 1258.8 1264.9 1271.0 1277.0 1282.9 1288.8 1294.6 1300.4 1306.2	1.497 1.522 1.547 1.572 1.597 1.621 1.669 1.692 1.715 1.783 1.761 1.783 1.805 1.827	1.5259 1.5330 1.5468 1.5534 1.5599 1.5662 1.5724 1.5785 1.5845 1.5903 1.5901 1.6017 1.6073 1.6128 1.6388	1225.3 1231.9 1238.4 1244.9 1251.2 1257.4 1263.6 1269.7 1275.8 1281.8 1287.7 1293.6 1299.5 1305.2	1.447 1.472 1.497 1.521 1.545 1.569 1.615 1.638 1.661 1.705 1.727 1.749	1.5211 1.5283 1.5384 1.5422 1.5489 1.5555 1.5681 1.5743 1.5862 1.5920 1.5977 1.6033 1.6088 1.6350	1223.7 1230.4 1236.9 1243.4 1249.8 1256.1 1262.5 1274.6 1280.7 1286.6 1292.6 1298.5 1304.3	1.399 1.424 1.448 1.472 1.496 1.519 1.565 1.565 1.693 1.693 1.674 1.696	1.5165 1.5238 1.5329 1.5378 1.5446 1.5512 1.5576 1.5639 1.5701 1.5762 1.5821 1.5829 1.5993 1.5993 1.6048 1.6312	1222.0 1228.8 1235.4 1242.0 1248.4 1251.8 1261.1 1267.3 1273.5 1279.6 1291.5 1297.4 1303.3
500 510 520 530 540 560 570 580 590 500	1.576 1.602 1.627 1.652 1.677 1.701 1.725 1.749 1.773 1.796 1.812 1.865	1.5378 1.5447 1.5514 1.5580 1.5644 1.5707 1.5768 1.5829 1.5888 1.5946 1.6003 1.6059 1.6114	1227.0 1233.5 1239.9 1246.3 1252.6 1258.8 1264.9 1271.0 1277.0 1282.9 1288.8 1294.6 1300.4 1306.2	1.497 1.522 1.547 1.572 1.597 1.621 1.645 1.669 1.715 1.738 1.761 1.783 1.805	1.5259 1.5330 1.5468 1.5534 1.5534 1.55662 1.5724 1.5785 1.5845 1.5903 1.5961 1.6017 1.6073	1225.3 1231.9 1238.4 1244.9 1251.2 1257.4 1269.7 1275.8 1281.8 1287.7 1293.6 1299.5 1305.2	1.447 1.472 1.497 1.521 1.545 1.569 1.592 1.615 1.638 1.661 1.683 1.705 1.727 1.749	1.5211 1.5283 1.5354 1.5422 1.5489 1.55619 1.5681 1.5743 1.5862 1.5920 1.5977 1.6033 1.6088	1223.7 1230.4 1236.9 1243.4 1249.8 1256.1 1268.5 1274.6 1280.7 1286.6 1292.6 1298.5 1304.3	1.399 1.424 1.448 1.472 1.496 1.519 1.542 1.565 1.587 1.609 1.631 1.653 1.674 1.696	1.5165 1.5238 1.5329 1.5378 1.5446 1.5512 1.5526 1.5526 1.5639 1.5701 1.5821 1.5821 1.5821 1.5821 1.5823 1.5933	1222.0 1228.8 1235.4 1242.0 1248.4 1254.8 1261.1 1267.3 1273.5 1279.6 1285.6 1291.5 1297.4 1303.3
190 500 510 520 530 540 560 560 560 560 550 700	1.576 1.602 1.627 1.652 1.677 1.701 1.725 1.749 1.773 1.796 1.819 1.842 1.865	1.5378 1.5447 1.5514 1.5580 1.5644 1.5707 1.5768 1.5829 1.5888 1.5946 1.6003 1.6059 1.6114 1.6169 1.6428 1.6670	1227.0 1233.5 1239.9 1246.3 1252.6 1258.8 1264.9 1271.0 1282.9 1288.8 1294.6 1300.4 1300.4 1306.2	1.497 1.522 1.547 1.572 1.597 1.621 1.669 1.692 1.715 1.783 1.805 1.827 1.934 2.038	1.5259 1.5330 1.5468 1.5534 1.5539 1.5724 1.5785 1.5845 1.5961 1.6017 1.6073 1.6128 1.6388 1.6388	1225.3 1231.9 1238.4 1244.9 1251.2 1257.4 1263.6 1275.8 1281.8 1287.7 1293.6 1299.5 1305.2	1.447 1.472 1.497 1.521 1.545 1.569 1.592 1.615 1.638 1.661 1.705 1.727 1.749 1.770 1.875 1.976	1.5211 1.5283 1.5354 1.5422 1.5489 1.5555 1.5681 1.5743 1.5863 1.5863 1.5920 1.5977 1.6033 1.6088 1.6350 1.6350	1223.7 1230.4 1236.9 1243.4 1249.8 1256.1 1262.5 1274.6 1280.7 1286.6 1292.6 1298.5 1304.3	1.399 1.424 1.448 1.472 1.496 1.519 1.565 1.565 1.565 1.669 1.631 1.653 1.674 1.696	1.5165 1.5238 1.5329 1.5378 1.5446 1.5512 1.5576 1.5701 1.5762 1.5821 1.5821 1.5837 1.5993 1.6048 1.6312 1.6558	1222.0 1228.8 1235.4 1242.0 1248.4 1254.8 1267.3 1273.5 1279.6 1285.6 1297.4 1303.3 1309.2 1337.8 1365.6
490 500 510 520 530 5540 560 570 580 600 600 7750 880 880	1.576 1.602 1.627 1.652 1.677 1.701 1.725 1.749 1.773 1.796 1.819 1.842 1.865 1.887 1.997 2.104 2.208 2.310	1.5378 1.5447 1.5514 1.5580 1.5644 1.5768 1.5829 1.5888 1.5946 1.6003 1.6059 1.6114 1.6169 1.6428 1.6670 1.6898 1.7115	1227.0 1233.5 1239.9 1246.3 1252.6 1252.6 1252.6 1271.0 1277.0 1282.9 1288.8 1294.6 1300.4 1300.4 1306.2 1311.9 1340.0 1367.5 1394.5 1421.3	1.497 1.522 1.547 1.572 1.597 1.621 1.669 1.692 1.715 1.783 1.781 1.783 1.805 1.827 1.934 2.038 2.140 2.239 2.336	1.5259 1.5330 1.5468 1.5534 1.5569 1.5724 1.5785 1.5903 1.5961 1.6017 1.6073 1.6128 1.6388 1.6388 1.6632 1.7078	1225.3 1231.9 1238.4 1244.9 1251.2 1257.4 1269.7 1275.8 1281.8 1287.7 1293.6 1299.5 1305.2 1311.0 1339.3 1366.9 1394.0 1420.9	1.447 1.472 1.497 1.521 1.545 1.569 1.595 1.615 1.638 1.661 1.705 1.727 1.749 1.770 1.875 1.976 2.075 2.172	1.5211 1.5283 1.5384 1.5422 1.5489 1.5555 1.5681 1.5743 1.5862 1.5920 1.5977 1.6033 1.6088 1.6350 1.6594 1.6824 1.7042	1223.7 1230.4 1236.9 1243.4 1249.8 1256.1 1262.5 1274.6 1280.7 1286.6 1292.6 1298.5 1304.3 1310.1 1338.5 1393.5 1420.4	1.399 1.424 1.448 1.472 1.496 1.519 1.565 1.565 1.693 1.674 1.696 1.717 1.819 1.918 2.014 2.109	1.5165 1.5238 1.5329 1.5378 1.5446 1.5512 1.5576 1.5639 1.5701 1.5821 1.5821 1.5893 1.5993 1.6048 1.6312 1.6558 1.6789 1.7008	1222.0 1228.8 1235.4 1242.0 1248.4 1251.8 1261.1 1267.3 1273.5 1279.6 1291.5 1297.4 1303.3 1309.2 1337.8 1365.6 1393.0 1420.0
480 490 500 510 520 530 540 550 550 550 660 700 7750 880 880	1.576 1.602 1.627 1.652 1.677 1.701 1.725 1.749 1.773 1.796 1.819 1.842 1.865 1.887 1.997 2.104 2.208 2.310	1.5378 1.5447 1.5514 1.5580 1.5644 1.5707 1.5768 1.5828 1.5943 1.6059 1.6114 1.6169 1.6428 1.6670 1.6898 1.7115	1227.0 1233.5 1239.9 1246.3 1252.6 1258.8 1264.9 1277.0 1282.9 1288.8 1294.6 1300.4 1306.2 1311.9 1340.0 1367.5 1394.5 1421.3	1.497 1.522 1.547 1.572 1.597 1.645 1.669 1.692 1.715 1.783 1.761 1.783 1.805 1.827 1.934 2.038 2.140	1.5259 1.5330 1.5468 1.5534 1.5534 1.5592 1.5724 1.5785 1.5845 1.5903 1.5961 1.6017 1.6073 1.6128 1.6388 1.6388 1.6388 1.6387	1225.3 1231.9 1238.4 1244.9 1251.2 1257.4 1263.6 1269.7 1275.8 1281.8 1287.7 1293.6 1299.5 1305.2 1311.0 1339.3 1366.9 1394.0 1420.9	1.447 1.472 1.497 1.521 1.545 1.569 1.615 1.638 1.661 1.683 1.705 1.727 1.749 1.770 1.875 1.976 2.075 2.172	1.5211 1.5283 1.5354 1.5422 1.5489 1.55619 1.5681 1.5863 1.5862 1.5920 1.5977 1.6033 1.6088 1.6350 1.6594 1.6824 1.7042	1223.7 1230.4 1230.4 1243.4 1243.8 1256.1 1262.5 1274.6 1280.7 1286.6 1292.6 1292.6 1298.5 1304.3 1310.1 1338.5 1366.2 1393.5 1420.4	1.399 1.424 1.448 1.472 1.496 1.519 1.565 1.587 1.609 1.631 1.653 1.674 1.696 1.717 1.819 1.918 2.014	1.5165 1.5238 1.5329 1.5378 1.5346 1.5512 1.5526 1.5520 1.5701 1.5762 1.5821 1.5821 1.5821 1.5823 1.5933 1.6048 1.6312 1.6558 1.6789 1.7008	1222.0 1228.8 1235.4 1242.0 1248.4 1254.8 1267.3 1273.5 1279.6 1285.6 1297.4 1303.3 1309.2 1337.8 1365.6 1393.0 1446.8

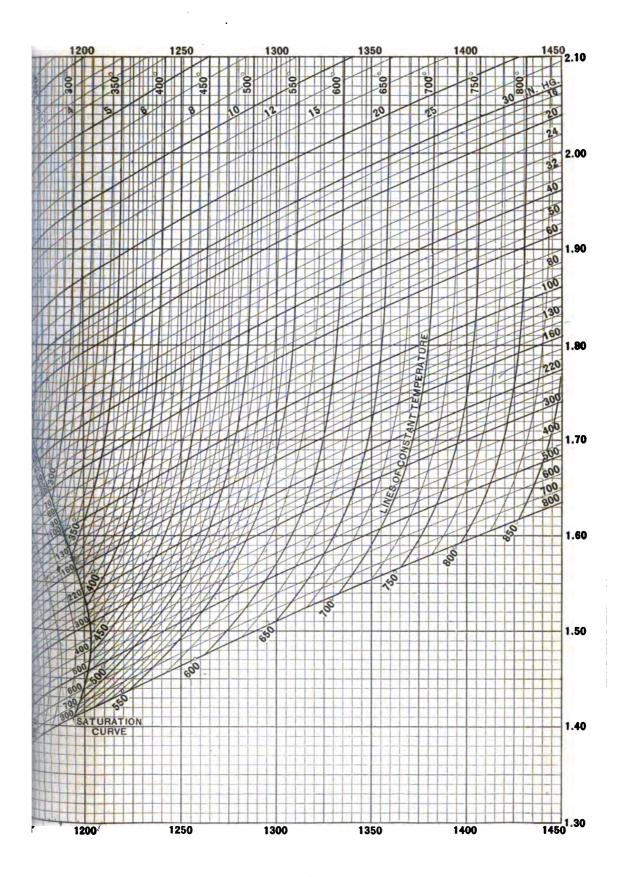
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Temp	1202. 	390 [441.0] 8 1.4847 1.4908 1.4986 1.5062	1.192	 									
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440 1.305 1.4965 1206.4 1.263 1.4919 1204.6 1.224 1.4872 1202.7	908 1208. 986 1215. 962 1222. 136 1229. 1236.	1.4908	1.192	1		•	i	•	▼	i·		•	
480 1.330 1.5043 1213.4 1.288 1.4997 1211.7 1.248 1.4952 1209.9 1.211 1.4 460 1.355 1.5119 1220.4 1.312 1.5074 1218.7 1.272 1.5030 1217.0 1.234 1.4 470 1.379 1.5193 1227.2 1.336 1.5149 1225.6 1.296 1.5105 1224.0 1.257 1.24 480 1.403 1.5265 1233.9 1.360 1.5211 1.234 1.319 1.5178 1234.0 1.257 1.234 1.2 490 1.427 1.5335 1240.5 1.383 1.5292 1233.0 1.342 1.5249 1237.5 1.303 1.5 500 1.450 1.5409 1253.4 1.428 1.5428 1252.1 1.386 1.5387 1230.7 1.347 1.5 520 1.495 1.5549 1253.4 1.428 1.5428 1252.1 1.386 1.5387 1250.7 1.347 1.5 530 1.495 1.5534 1256.1 1.472 1.5558 1264.8 1.429 1.5518 1263.6 1.389 1.5 540 1.561 1.5721 1278.4 1.515 1.5682 1277.3 1.472 1.5643 1275.1 1.451 1.5581 1263.6 1.389 1.5 560 1.582 1.5781 1284.5 1.536 1.5742 1283.4 1.492 1.5704 1288.3 1.450 1.5 580 1.652 1.5884 1290.5 1.557 1.5801 1289.4 1.513 1.5764 1288.3 1.470 1.5 580 1.655 1.5884 1390.4 1.598 1.5917 1301.4 1.553 1.580 1300.4 1.510 1.5 580 1.665 1.5894 1302.4 1.598 1.5917 1301.4 1.553 1.580 1300.4 1.510 1.5 580 1.665 1.65010 1308.2 1.618 1.5973 1307.3 1.572 1.5936 1306.4 1.529 1.5 590 1.666 1.6010 1308.2 1.618 1.5973 1307.3 1.572 1.5936 1306.4 1.529 1.5 590 1.666 1.6701 1308.2 1.670 1391.9 1.851 1.6697 1391.4 1.623 1.6 500 1.957 1.6754 1392.4 1.993 1.6720 1391.9 1.851 1.6697 1391.4 1.802 1.5 500 1.287 1.7784 1392.4 1.993 1.6720 1391.9 1.851 1.6687 1391.4 1.802 1.5 500 1.287 1.5738 1221.5 1.171 1.488 1.202.4 1.7118 1.445.7 1.972 1.7 500 2.403 1.7764 1.325.9 1.235 1.237 1.2715 1.292.6 1.270 1.4856 1.2411 1.034 1.4 400 1.287 1.5202 1220.7 1.153 1.4937 1217.4 1.091 1.4856 1.241.1 1.034 1.4 40	986 1215. 962 1222. 136 1229. 108 1236.	1.4986		1202.6	1.4871	1.223	1202.6	1.4896	1.256	1202.5	1.4922	1.291	Sat.
1.355 1.5119 1220.4 1.312 1.5074 1218.7 1.272 1.5030 1217.0 1.234 1.470 1.379 1.5933 1227.2 1.336 1.5149 1226.6 1.296 1.5105 1224.0 1.257 1.2480 1.403 1.5265 1233.9 1.360 1.5221 1232.4 1.319 1.5178 1230.8 1.280 1.5 490 1.427 1.5335 1240.5 1.383 1.5292 1239.0 1.342 1.5249 1237.5 1.303 1.5 500 1.450 1.5409 1253.4 1.428 1.5428 1252.1 1.386 1.5387 1230.7 1.347 1.505 1.5178 1.5267 1.347 1.5258 1.517 1.5598 1265.1 1.472 1.5558 1.5428 1252.1 1.386 1.5387 1250.7 1.347 1.550 1.517 1.5598 1265.1 1.472 1.5558 1264.8 1.429 1.5518 1263.6 1.389 1.550 1.581 1.5261 1.278.4 1.5521 1.271.1 1.451 1.5581 1263.6 1.389 1.550 1.582 1.5781 1284.5 1.536 1.5724 1283.4 1.492 1.5704 1282.3 1.450 1.5558 1.560 1.582 1.5781 1284.5 1.536 1.5742 1283.4 1.492 1.5704 1282.3 1.450 1.558 1.596 1.256 1.596 1.256 1.596 1.256 1.256 1.596 1.256 1.256 1.256 1.256 1.256 1.256 1.596 1.256 1.256 1.256 1.256 1.256 1.256 1.256 1.256 1.256 1.256 1.256 1.256 1.256 1.256 1.256 1.256 1.256 1.256	986 1215. 962 1222. 136 1229. 108 1236.	1.4986	• • • • •	1202.7	1.4872	1.224	1204.6	1.4919	1.263	1206.4	1.4965	1.305	440
480 1.379 1.579 1.297.2 1.336 1.5149 1225.6 1.296 1.5165 1.224.0 1.257 1.549 1.233.9 1.360 1.5231 1232.4 1.319 1.5178 1230.8 1.280 1.5	62 1222. 136 1229. 1236.		1.211	1209.9	1.4952	1.248	1211.7	1.4997	1.288	1213.4	1.5043	1.330	450
1.403 1.5265 1233.9 1.360 1.5221 1232.4 1.319 1.5178 1230.8 1.280 1.5477 1.5335 1240.5 1.383 1.5292 1233.9 1.342 1.5249 1237.5 1.303 1.5	136 1229. 1236.	1 5062	1.234	1217.0	1.5030	1.272	1218.7	1.5074	1.312	1220.4	1.5119	1.355	460
480 1.493 1.5265 1233.9 1.360 1.5221 1232.4 1.319 1.5178 1230.8 1.280 1.5 800 1.457 1.5335 1240.5 1.383 1.5292 1239.0 1.342 1.5249 1237.5 1.303 1.5 81.510 1.473 1.5469 1253.4 1.428 1.5428 1252.1 1.386 1.5319 1244.2 1.325 1.5 820 1.495 1.5534 1259.8 1.450 1.5494 1258.5 1.408 1.5431 1257.2 1.368 1.5 820 1.517 1.5598 1266.1 1.472 1.5558 1264.8 1.429 1.5518 1263.6 1.389 1.5 820 1.539 1.5660 1272.3 1.494 1.5621 1271.1 1.451 1.5518 1269.9 1.410 1.5 820 1.582 1.5781 1284.5 1.536 1.577 1.5821 1271.1 1.451 1.5518 1269.9 1.410 1.5 820 1.525 1.5898 1290.5 1.577 1.5899 1.994.4 1.513 1.5764 1282.3 1.450 1.5 820 1.561 1.5721 1278.4 1.515 1.5682 1277.3 1.472 1.5643 1276.1 1.430 1.5 820 1.525 1.5898 1290.5 1.577 1.5899 1.995.4 1.533 1.5822 1294.4 1.400 1.5 820 1.625 1.5894 1290.5 1.577 1.5899 1.995.4 1.533 1.5822 1294.4 1.400 1.5 820 1.666 1.6275 1337.0 1.716 1.6239 1336.2 1.659 1.6204 1335.4 1.623 1.6 820 1.663 1.6522 1365.0 1.811 1.6487 1364.3 1.761 1.6453 1363.7 1.773 1.6 820 1.957 1.6754 1392.4 1.993 1.6720 1391.9 1.851 1.6687 1391.4 1.823 1.6 820 1.299 1.6974 1419.5 1.992 1.6940 1419.1 1.939 1.6698 1418.6 1888 1.6 820 1.198 1.7384 1446.5 2.080 1.7150 1440.1 1.939 1.6908 1418.6 1888 1.6 820 1.198 1.7384 1473.3 2.167 1.7352 1472.9 2.099 1.7320 1472.6 2.054 1.7 820 1.221 1.5000 1220.7 1.153 1.4937 1217.4 1.091 1.4856 1214.1 1.034 1.4 820 1.298 1.7384 1473.3 2.167 1.7352 1472.9 2.099 1.7320 1472.6 2.054 1.7 820 1.297 1.5230 1220.7 1.153 1.4937 1217.4 1.091 1.4856 1214.1 1.034 1.4 820 1.287 1.5288 1.241.3 1.217 1.5193 1224.5 1.112 1.056 1.4728 1221.3 1.055 1.4 820 1.287 1.5288 1.241.3 1.217 1.5193 1224.5 1.112 1.0583 1235.5 1.095 1.5 820 1.390 1.5370 1234.6 1.238 1.5230 1245.5 1.112 1.5424 1.1515 1.5 820 1.391 1.5568 1223.8 1.318 1.5431 1265.0 1.321 1.5551 1224.4 1.151 1.5 820 1.291 1.5000 1.234.6 1.238 1.5230 1245.5 1.112 1.5424 1.1515 1.5 820 1.391 1.5688 1.241.3 1.217 1.595 1.284.5 1.291 1.331 1.5555 1.244 1.151 1.5 820 1.391 1.5688 1.238 1.318 1.5431 1.5431 1.251 1.5424 1.1515 1.5 820 1.391 1.556	1236.	1.3002	1.257	1224.0	1.5105	1.296	1225.6	1.5149	1.336	1227.2	1.5193	1.379	470
1.427		1.5136		1230.8	1.5178	1.319	1232.4	1.5221	1.360	1233.9	1.5265		
1.473 1.5466 1253.4 1.428 1.5428 1252.1 1.386 1.5387 1250.7 1.347 1.558 1.495 1.5534 1239.8 1.450 1.5408 1.5428 1.252.1 1.386 1.548 1.5428 1.5428 1.5428 1.5428 1.5428 1.5428 1.5428 1.5428 1.5428 1.5538 1263.6 1.388 1.5580 1.557 1.5660 1.272.3 1.494 1.5621 1271.1 1.451 1.5581 1269.9 1.410 1.5 560 1.561 1.5721 1278.4 1.515 1.5682 1277.3 1.472 1.5643 1276.1 1.430 1.558 1.5781 1284.5 1.536 1.5742 1283.4 1.492 1.5704 1282.3 1.450 1.5580 1.604 1.5880 1290.5 1.557 1.5850 1.894 1.513 1.5764 1288.4 1.470 1.5580 1.625 1.5898 1296.5 1.577 1.5859 1295.4 1.533 1.5822 1294.4 1.490 1.5590 1.645 1.5954 1302.4 1.598 1.5917 1301.4 1.553 1.5880 1300.4 1.510 1.55 1.566 1.625 1.376 1337.0 1.716 1.6239 1336.2 1.669 1.6204 1335.4 1.623 1.65 1.6954 1.695		1.5208	1.303							1240.5			
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490 1.265 1.5167 1234.6 1.196 1.5087 1231.5 1.133 1.5010 1228.5 1.075 1.4 500 1.287 1.5238 1241.3 1.217 1.5159 1238.4 1.154 1.5083 1235.5 1.095 1.5 510 1.309 1.5307 1248.0 1.238 1.5230 1245.2 1.174 1.5155 1242.4 1.115 1.5 520 1.330 1.5374 1254.6 1.258 1.5298 1251.9 1.193 1.5225 1249.2 1.134 1.5 530 1.350 1.5440 1261.1 1.278 1.5365 1258.5 1.213 1.5293 1255.9 1.153 1.5 540 1.371 1.5505 1267.5 1.298 1.5431 1265.0 1.232 1.5359 1262.5 1.172 1.5 550 1.411 1.5629 1280.0 1.337 1.5557 1271.4 1.251 1.5424 1269.1 1.190 1.5 570 1.430 1.5690 1286.2 1.3567 1.5679 1290.3 1.307 1.5611 1288.2 1.244 1.5 580 1.450 1.5749 1292.4		1.4778	1.034	1214.1	1.4856	1.091	1217.4	1.4937	1.153	1220.7	1.5020	1.221	470
500 1.287 1.5238 1241.3 1.217 1.5159 1238.4 1.154 1.5083 1235.5 1.095 1.5 510 1.309 1.5307 1248.0 1.238 1.5230 1245.2 1.174 1.5155 1242.4 1.115 1.5 520 1.330 1.5374 1254.6 1.258 1.5298 1251.9 1.193 1.5225 1249.2 1.134 1.5 530 1.350 1.5440 1261.1 1.278 1.5365 1258.5 1.213 1.5293 1255.9 1.153 1.5 540 1.371 1.5505 1267.5 1.298 1.5431 1265.0 1.232 1.5359 1262.5 1.172 1.5 550 1.391 1.5568 1273.8 1.318 1.5495 1271.4 1.251 1.5424 1269.1 1.190 1.5 560 1.411 1.5629 1280.0 1.337 1.5557 1277.8 1.270 1.5488 1275.5 1.209 1.5 570 1.430 1.5690 1286.2 1.356 1.5679 1290.3 1.307 1.5611 1288.2 1.244 1.5 580 1.450 1.5749 1292.4	357 1218.	1.4857	1.055		1.4934		1224.5	1.5013	1.175	1227.7	1.5094	1.243	480
510 1.309 1.5307 1248.0 1.238 1.5230 1245.2 1.174 1.5155 1242.4 1.115 1.5 520 1.330 1.5374 1254.6 1.258 1.5298 1251.9 1.193 1.5225 1249.2 1.134 1.5 530 1.350 1.5440 1261.1 1.278 1.5365 1258.5 1.213 1.5293 1255.9 1.153 1.5 540 1.371 1.5505 1267.5 1.298 1.5431 1265.0 1.232 1.5359 1262.5 1.172 1.5 550 1.391 1.5568 1273.8 1.318 1.5495 1271.4 1.251 1.5424 1269.1 1.190 1.5 560 1.411 1.5629 1280.0 1.337 1.5579 1271.4 1.251 1.5488 1275.5 1.209 1.5 570 1.430 1.5699 1286.2 1.356 1.5619 1284.1 1.288 1.5550 1281.9 1.227 1.5 580 1.450 1.5749 1292.4 1.375 1.5679 1290.3 1.307 1.5611 1288.2 1.244 1.5	34 1225.	1.4934	1.075	1228.5	1.5010	1.133	1231.5	1.5087	1.196	1234.6	1.5167	1.265	490
520 1.330 1.5374 1254.6 1.258 1.5298 1251.9 1.193 1.5225 1249.2 1.134 1.5 530 1.350 1.5440 1261.1 1.278 1.5365 1258.5 1.213 1.5293 1255.9 1.153 1.5 540 1.371 1.5505 1267.5 1.298 1.5431 1265.0 1.232 1.5359 1262.5 1.172 1.5 550 1.411 1.5629 1280.0 1.337 1.5557 1271.4 1.251 1.5424 1269.1 1.190 1.5 570 1.430 1.5690 1286.2 1.356 1.5619 1284.1 1.288 1.550 1281.9 1.227 1.5 580 1.450 1.5749 1292.4 1.375 1.5679 1290.3 1.307 1.5611 1288.2 1.244 1.5		1.5009	1.095	1235.5	1.5083	1.154	1238.4		1.217		1.5238	1.287	500
530 1.350 1.5440 1261.1 1.278 1.5365 1258.5 1.213 1.5293 1255.9 1.153 1.5 540 1.371 1.5505 1267.5 1.298 1.5431 1265.0 1.232 1.5359 1262.5 1.172 1.5 550 1.391 1.5568 1273.8 1.318 1.5495 1271.4 1.251 1.5424 1269.1 1.190 1.5 560 1.411 1.5629 1280.0 1.337 1.5557 1277.8 1.270 1.5488 1275.5 1.209 1.5 570 1.430 1.5690 1286.2 1.356 1.5619 1284.1 1.288 1.5550 1281.9 1.227 1.5 580 1.450 1.5749 1292.4 1.375 1.5679 1290.3 1.307 1.5611 1288.2 1.244 1.5	82 1239.	1.5082	1.115	1242.4	1.5155	1.174	1245.2	1.5230	1.238	1248.0	1.5307	1.309	510
540 1.371 1.5565 1267.5 1.298 1.5431 1265.0 1.232 1.5359 1262.5 1.172 1.5 550 1.391 1.5568 1273.8 1.318 1.5495 1271.4 1.251 1.5424 1269.1 1.190 1.5 560 1.411 1.5629 1280.0 1.337 1.5557 1277.8 1.270 1.5488 1275.5 1.209 1.5 570 1.430 1.5690 1286.2 1.356 1.5619 1284.1 1.288 1.5550 1281.9 1.227 1.5 580 1.450 1.5749 1292.4 1.375 1.5679 1290.3 1.307 1.5611 1288.2 1.244 1.5	153' 1246.	1.5153	1.134	1249.2	1.5225	1.193	1251.9	1.5298	1.258	1254.6	1.5374	1.330	520
550 1.391 1.5568 1273.8 1.318 1.5495 1271.4 1.251 1.5424 1269.1 1.190 1.5 560 1.411 1.5629 1280.0 1.337 1.5557 1277.8 1.270 1.5488 1275.5 1.209 1.5 570 1.430 1.5690 1286.2 1.356 1.5619 1284.1 1.288 1.5550 1281.9 1.227 1.5 580 1.450 1.5749 1292.4 1.375 1.5679 1290.3 1.307 1.5611 1288.2 1.244 1.5	122 1253.	1.5222	1.153	1255.9	1.5293	1.213	1258.5	1.5365	1.278		1.5440	1.350	530
560 1.411 1.5629 1280.0 1.337 1.5557 1277.8 1.270 1.5488 1275.5 1.209 1.5 570 1.430 1.5690 1286.2 1.356 1.5619 1284.1 1.288 1.5550 1281.9 1.227 1.5 580 1.450 1.5749 1292.4 1.375 1.5679 1290.3 1.307 1.5611 1288.2 1.244 1.5	289 1260.	1.5289	1.172	1262.5	1.5359	1.232	1265.0	1.5431	1.298	1267.5	1.5505	1.371	540
570 1.430 1.5690 1286.2 1.356 1.5619 1284.1 1.288 1.5550 1281.9 1.227 1.5 580 1.450 1.5749 1292.4 1.375 1.5679 1290.3 1.307 1.5611 1288.2 1.244 1.5	1266.	1.5355	1.190	1269.1		1.251	1271.4	1.5495	1.318	1273.8	1.5568	1-391	550
570 1.430 1.5690 1286.2 1.356 1.5619 1284.1 1.288 1.5550 1281.9 1.227 1.5 580 1.450 1.5749 1292.4 1.375 1.5679 1290.3 1.307 1.5611 1288.2 1.244 1.5	20 1273.	1.5420	1.209	1275.5	1.5488	1.270		1.5557	1.337		1.5629	1.411	560
580 1.450 1.5749 1292.4 1.375 1.5679 1290.3 1.307 1.5611 1288.2 1.244 1.5		1.5483	1.227	1281.9		1.288	1284.1			1286.2			
		1.5545											
		1.5605											
600 1.488 1.5864 1304.5 1.412 1.5796 1302.5 1.342 1.5729 1300.6 1.279 1.5		1.5665	1.279		1.5729				1.412	1304.5	1.5864	1.488	600
	723 1304.	1.5723	1.296	1306.7	1.5786	1.360	1308.6	1.5852	1.430	1310.5		1.507	610
	_	1.5780											- 1
		1.5836											
		1.5891		•								:-	,
		1.5945	1.362			1.429	1332.3			1333.9		1.581	650
		1.6204	1.442	1359.7	1.6263	1.511	1361.1	1.6324	1.586		1.6387	1.669	700
		1.6445										-	
	204 1358.	1.6672											
	104 1358. 145 1386.	1.6887											_
900 2.002 1.7259 1472.0 1.906 1.7201 1471.3 1.817 1.7146 1470.6 1.737 1.7	104 1358. 145 1386. 172 1414.	1.0007	1			- 0	T477 2	1.7201	T.006	1472.0	1.7259	2 002	900

Pres- sure		480 [463.1]	•		500 [467.2]			550 [477.2]			600 [486.5]	
Temp F.	•		i	•		i	▼		i	₹	•	i
Sat.	0.968	1.4643	1201.9	0.928	1.4601	1201.7	0.842	1.4505	1200.8	0.770	1.4414	1199:8
470	0.982	1.4700	1207.3	0.934	1.4625	1203.8						.
480 490	1.002	1.4781	1214.8	·954 ·973	1.4707	1211.5	.866	1.4529	1203.1	0.776	I.4444	1202.6
							<u> </u>					
500 510	1.042	1.4936	1229.5	0.992	1.4865	1226.5	0.884	1.4694	1218.8	0.794 .811	1.4530	1210.8
520	1.080	1.5082	1243.7	1.030	1.5014	1240.9	.902	1.4849	1233.8	.828	1.4693	1226.
530	1.099	1.5152	1250.7	1.048	1.5086	1248.0	-937	1.4923	1241.2	.844	1.4770	1234.2
540	1.117	1.5221	1257.5	1.066	1.5155	1254.9	.954	1.4996	1248.4	.860	1.4845	1241.7
550	1.135	1.5288	1264.2	1.083	1.5223	1261.8	0.971	1.5067	1255.5	0.876	1.4918	1249.0
560	1.152	1.5354	1270.9	1.100	1.5290	1268.5	0.987	1.5136		.892	1.4990	1256.3
570	1.170	1.5418	1277.4	1.117	1.5355	1275.1	1.003	1.5203	1269.4	.907	1.5060	1263.4
580	1.187	1.5480	1283.9	1.134	1.5418	1281.7		1.5269	1276.2	.922	1.5128	1270.4
590	1.204	1.5542	1290.3	1.151	1.5481	1288.2	1.034	1.5333	1282.9	-937	1.5194	1277.4
600	1.221	1.5602	1296.6	1.167	1.5542	1294.6	1.050	1.5396	1289.5	0.951	1.5259	1284.2
610 620	1.237	1.5661	1302.9	1.183	1.5601		1.065	1.5457	1296.0	.966 .980	1.5322	1291.0
630	1.254	1.5776	1309.1	1.215	1.5717	1307.3	1.094	1.5577	1302.5	-994	1.5384	1297.6
640	1.286	1.5831	1321.4	1.230	1.5773	1319.6	1.109	1.5635	1315.2	1.008	1.5505	1310.7
650	1.302	1.5886	1327.4	1.246	1.5828	1325.7	1.123	1.5691	1321.5	1.021	1.5563	1317.2
700	1.379	1.6147	1357.0	1.320	1.6092	1355.6	1.193	1.5961	1352.1	1.087	1.5839	1348.5
750	1.453	1.6390	1385.8	1.392	1.6337	1384.6	1.260	1.6211	1381.7	1.149	1.6094	1378.7
800	1.525	1.6618	1414.0	1.462	1.6567	1413.0	1.324	1.6445	1410.5	1.209	1.6331	1408.c
850	1.595	1.6834	1441.7	1.529	1.6784	1440.9	1.387	1.6665	1438.8	1.267	1.6555	1436.7
900	1.664	1.7041	1469.3	1.596	1.6991	1468.6	1.448	1.6875	1466.8	1.324	1.6767	1465.c
950	1.731	1.7239	1496.7	1.661	1.7190	1496.1	1.508	1.7075	1494.6	1.380	1.6969	1493.0
		650 [495-2]		ĺ	700 [503.4]			750 [511.1]			800 [518.5]	
Sat.	0.708	1.4330	1198.7	0.656	1.4250	1197.4	0.610	1.4175	1195.9	0.570	1.4104	1194.4
510	0.733	1.4458	1211.0	0.667	1.4309	1203.0						
520	.750	1.4542	1219.1	.682	1.4396	1211.5	0.623	1.4255	1203.7	0.572	1.4117	1195.8
530	.766	1.4622	1227.0	.697	1.4480	1219.7	.638	1.4342	1212.3	.586	1.4207	1204.6
540	.781	1.4700	1234.8	.712	1.4561	1227.8	.653	1.4426	1220.6	.600	1.4295	1213.3
550	0.796	1.4776	1242.5	0.727	1.4640	1235.7	0.667	1.4508	1228.8	0.614	1.4379	1221.8
560	.811	1.4850	1250.0	.741	1.4716	1243.5	.681	1.4587	1236.9	.628	1.4461	1230.2
570	.826	1.4922	1257.3	.756	1.4791	1251.1	.695	1.4664	1244.8	.641	1.4541	1238.3
580 590	.840	1.4992	1264.6	.769 .783	1.4864	1258.6 1266.0	.708 .721	1.4739	1252.6	.654 .667	1.4618 1.4694	1246.4 1254.2
600	0.868	1.5128	1278.8	0.796	1.5003	1273.3	0.734	1.4883	1267.7	0.679	1.4767	1261.9
610	.882	1.5123		.809		1280.5	.746	1.4953	1275.1	.691	1.4839	1269.5
620	.895	1.5257	1292.6	.822	1.5137	1287.5	.759	1.5020		.703		1277.1
		1.5320	1299.4	.835	1.5201		.771	1.5086		.715	1.4976	1284.4
	.908						.783	1.5151		.727	1.5042	1291.6
630	.908 .921	1.5381	1306.1	.847	1.5264	1301.4	1,703			•		-
630 640 650			1306.1	0.860	1.5325	1308.2	0.795	1.5214	1303.5	0.738	1.5107	1298.8
630 640 650 660	.921 0.934 .947	1.5381 1.5441 1.5499	1312.7 1319.2	o.860 .872	1.5325	1308.2 1314.9	0.795	1.5276	1310.4	.749	1.5170	1305.8
630 640 650 660 670	.921 0.934 .947 .960	1.5381 1.5441 1.5499 1.5557	1312.7 1319.2 1325.7	0.860 .872 .884	1.5325 1.5385 1.5444	1308.2 1314.9 1321.5	0.795 .807 .818	1.5276 1.5336	1310.4 1317.2	.749 .760	1.5170	1305.8 1312.8
630 640 650 660 670 680	.921 0.934 .947 .960 .972	1.5381 1.5441 1.5499 1.5557 1.5614	1312.7 1319.2 1325.7 1332.1	o.860 .872 .884 .896	1.5325 1.5385 1.5444 1.5502	1308.2 1314.9 1321.5 1328.1	0.795 .807 .818 .830	1.5276 1.5336 1.5496	1310.4 1317.2 1323.9	.749 .760 .771	1.5170 1.5232 1.5293	1305.8 1312.8 1319.7
630 640 650 660 670 680 690	.921 0.934 .947 .960 .972 .984	1.5381 1.5441 1.5499 1.5557 1.5614 1.5669	1312.7 1319.2 1325.7 1332.1 1338.5	o.860 .872 .884 .896 .908	1.5325 1.5385 1.5444 1.5502 1.5559	1308.2 1314.9 1321.5 1328.1 1334.6	0.795 .807 .818 .830	1.5276 1.5336 1.5496 1.5454	1310.4 1317.2 1323.9 1330.6	.749 .760 .771 .782	1.5170 1.5232 1.5293 1.5353	1305.8 1312.8 1319.7 1326.5
630 640 650 660 670 680 690	.921 0.934 .947 .960 .972 .984	1.5381 1.5441 1.5499 1.5557 1.5614 1.5669	1312.7 1319.2 1325.7 1332.1 1338.5	o.86o .872 .884 .896 .908	1.5325 1.5385 1.5444 1.5502 1.5559	1308.2 1314.9 1321.5 1328.1 1334.6.	0.795 .807 .818 .830 .841	1.5276 1.5336 1.5496 1.5454	1310.4 1317.2 1323.9 1330.6	.749 .760 .771 .782	1.5170 1.5232 1.5293 1.5353	1305.8 1312.8 1319.7 1326.5
630 640 650 660 670 680 690 700	.921 0.934 .947 .960 .972 .984 0.997	1.5381 1.5441 1.5499 1.5557 1.5614 1.5669 1.5724 1.5983	1312.7 1319.2 1325.7 1332.1 1338.5	o.86o .872 .884 .896 .908 o.919	1.5325 1.5385 1.5444 1.5502 1.5559	1308.2 1314.9 1321.5 1328.1 1334.6.	0.795 .807 .818 .830 .841 0.852	1.5276 1.5336 1.5496 1.5454 1.5511 1.5781	1310.4 1317.2 1323.9 1330.6 1337.2 1369.2	.749 .760 .771 .782 0.793 .844	1.5170 1.5232 1.5293 1.5353 1.5411 1.5687	1305.8 1312.8 1319.7 1326.5 1333.2 1365.9
630 640 650 660 670 680 690 750 800	.921 0.934 .947 .960 .972 .984 0.997 1.056 1.112	1.5381 1.5441 1.5499 1.5557 1.5614 1.5669 1.5724 1.5983 1.6225	1312.7 1319.2 1325.7 1332.1 1338.5 1344.8 1375.6 1405.4	0.860 .872 .884 .896 .908 0.919 0.975	1.5325 1.5385 1.5444 1.5502 1.5559 1.5615 1.5880 1.6125	1308.2 1314.9 1321.5 1328.1 1334.6. 1341.0 1372.4 1402.7	0.795 .807 .818 .830 .841 0.852 .905	1.5276 1.5336 1.5496 1.5454 1.5511 1.5781 1.6031	1310.4 1317.2 1323.9 1330.6 1337.2 1369.2 1400.0	.749 .760 .771 .782 0.793 .844 .893	1.5170 1.5232 1.5293 1.5353 1.5411 1.5687 1.5941	1305.8 1312.8 1319.7 1326.5 1333.2 1365.9 1397.3
630 640 660 660 670 680 690 700	.921 0.934 .947 .960 .972 .984 0.997	1.5381 1.5441 1.5499 1.5557 1.5614 1.5669 1.5724 1.5983	1312.7 1319.2 1325.7 1332.1 1338.5	o.86o .872 .884 .896 .908 o.919	1.5325 1.5385 1.5444 1.5502 1.5559	1308.2 1314.9 1321.5 1328.1 1334.6.	0.795 .807 .818 .830 .841 0.852 .905	1.5276 1.5336 1.5496 1.5454 1.5511 1.5781	1310.4 1317.2 1323.9 1330.6 1337.2 1369.2	.749 .760 .771 .782 0.793 .844	1.5170 1.5232 1.5293 1.5353 1.5411 1.5687	1305.8 1312.8 1319.7 1326.5 1333.2 1365.9

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Pres- sure		225 [391.9]			226 [392.3]			227 [392.7]			228 [393.0]	
Temp F.	▼	•	i	•		i	•	•	i	•		i
Sat.	2.05	1.5352	1199.7	2.04	1.5348	1199.8	2.03	1.5344	1199.8	2.02	1.5341	1199.8
400	2.08	1.5413	1204.9	2.07	1.5406	1204.7	2.06	1.5399	1204.5	2.05	1.5393	1204.3
410	2.11	1.5486	1211.3	2.10	1.5480	1211.1	2.09	1.5473	1210.9	2.08	1.5467	1210.7
420	2.15	1.5558	1217.5	2.14	1.5552	1217.3	2.13	1.5545	1217.2	2.12	1.5539	1217.0
430	2.18	1.5628	1223.7	2.17	1.5621	1223.5	2.16	1.5615	1223.4	2.15	1.5609	1223.2
440	2.22	1.5696	1229.8	2.21	1.5689	1229.6	2.20	1.5683	1229.5	2.19	1.5677	1229.3
450	2.25	1.5762	1235.8	2.24	1.5756	1235.6	2.23	1.5750	1235.5	2.22	1.5744	1235.3
460	2.28	1.5827	1241.8	2.27	1.5821	1241.6	2.26	1.5815	1241.5	2.25	1.5809	1241.3
470	2.32	1.5891	1247.7	2.31	1.5885	1247.5	2.30	1.5879	1247.4	2.29	1.5873	1247.2
480	2.35 2.38	1.5953	1253.5	2.34	1.5947	1253.3	2.33	1.5941	1253.2	2.32	1.5935	1253.1
490	2.30	1.0014	1239.3	2.37	1.0009	1239.1	2.30	1.0003	1239.0	2.35	2.3997	1230.9
500	2.42	1.6074	1265.0	2.40	1.6069	1264.9	2.39	1.6063	1264.7	2.38	1.6057	1264.6
510	2.45	1.6133	1270.7	2.44	1.6128	1270.5	2.43	1.6122	1270.4	2.42	1.6116	1270.3
520	2.48	1.6191	1276.3	2.47	1.6185	1276.2	2.46	1.6180	1276.1	2.45	1.6174	1275.9
530	2.51	1.6248	1281.9	2.50	1.6242	1281.8	2.49	1.6236	1281.7	2.48	1.6231	1281.6
540	2.54	1.6304	1287.5	2.53	1.6298	1287.4	2.52	1.6292	1287.3	2.51	1.6287	1287.1
550	2.57	1.6359	1293.0	2.56	1.6353	1292.9	2.55	1.6347	1292.8	2.54	1.6342	1292.7
560	2.60	1.6413	1298.5	2.59	1.6407	1298.4	2.58	1.6402	1298.3	2.57	1.6396	1298.2
570	2.64	1.6466	1303.9	2.62	1.6461	1303.8	2.61	1.6455	1303.7	2.60	1.6449	1303.7
580	2.67	1.6519	1309.4	2.65	1.6513	1309.3	2.64	1.6508	1309.2	2.63	1.6502	1309.1
590	2.70	1.6571	1314.8	2.68	1.6565	1314.7	2.67	1.6560	1314.6	2.66	1.6554	1314.5
600	2.73	1.6622	1320.2	2.71	1.6616	1320.1	2.70	1.6611	1320.0	2.69	1.6605	1319.9
650	2.88	1.6868	1346.8	2.86	1.6862	1346.7	2.85	1.6857	1346.7	2.84	1.6852	1346.6
700	3.02	1.7100	1373.1	3.01	1.7094	1373.1	2.99	1.7089	1373.0	2.98	1.7084	1373.0
750	3.16	1.7320	1399.2	3.15	1.7315	1399.2	3.13	1.7310	1399.1	3.12	1.7304	1399.1
800	3.30	1.7531	1425.3	3.29	1.7526	1425.2	3.27	1.7521	1425.2	3.26	1.7516	1425.1
				<u>' </u>								
		229			230/			231			232	
		229 [393-4]	1		230/ [393.8]	1:		231 [394.2]			232 [394-5]	· · · · · · · · · · · · · · · · · · ·
Sat.	2.01		1199.9	2.00		1199.9	1.99		1200.0	1.98		1200.0
Sat. 400	2.01	[393-4]	1199.9	2.00	[393.8] 1.5333 1.5379	1204.0	1.99	[394.2]	1200.0	1.98	[394-5]	1200.0
		[393-4] 1.5337	1204.2		[393.8]	1204.0		[394.2]		-	[394.5]	
400 410 420	2.03 2.07 2.11	[393-4] 1.5337 1.5386 1.5460 1.5532	1204.2 1210.5 1216.8	2.02 2.06 2.10	[393.8] 1.5333 1.5379 1.5453 1.5526	1204.0 1210.3 1216.6	2.01 2.05 2.09	[394.2] 1.5329 1.5373 1.5447 1.5519	1203.7 1210.1 1216.4	2.00 2.04 2.08	[394.5] 1.5325 1.5366 1.5440 1.5513	1203.5 1209.9 1216.3
400 410 420 430	2.03 2.07 2.11 2.14	[393-4] 1.5337 1.5386 1.5460 1.5532 1.5602	1204.2 1210.5 1216.8 1223.0	2.02 2.06 2.10 2.13	[393.8] 1.5333 1.5379 1.5453 1.5526 1.5596	1204.0 1210.3 1216.6 1222.8	2.01 2.05 2.09 2.12	[394.2] 1.5329 1.5373 1.5447 1.5519 1.5589	1203.7 1210.1 1216.4 1222.7	2.00 2.04 2.08 2.11	[394-5] 1.5325 1.5366 1.5440 1.5513 1.5583	1203.5 1209.9 1216.3 1222.5
400 410 420	2.03 2.07 2.11	[393-4] 1.5337 1.5386 1.5460 1.5532	1204.2 1210.5 1216.8	2.02 2.06 2.10	[393.8] 1.5333 1.5379 1.5453 1.5526	1204.0 1210.3 1216.6	2.01 2.05 2.09	[394.2] 1.5329 1.5373 1.5447 1.5519	1203.7 1210.1 1216.4	2.00 2.04 2.08	[394.5] 1.5325 1.5366 1.5440 1.5513	1203.5 1209.9 1216.3
400 410 420 430 440	2.03 2.07 2.11 2.14	[393-4] 1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737	1204.2 1210.5 1216.8 1223.0 1229.1	2.02 2.06 2.10 2.13	[393.8] 1.5333 1.5379 1.5453 1.5526 1.5596 1.5664 1.5731	1204.0 1210.3 1216.6 1222.8 1229.0	2.01 2.05 2.09 2.12 2.15	[394.2] 1.5329 1.5373 1.5447 1.5519 1.5589 1.5658	1203.7 1210.1 1216.4 1222.7	2.00 2.04 2.08 2.11	[394-5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719	1203.5 1209.9 1216.3 1222.5
400 410 420 430 440 450 460	2.03 2.07 2.11 2.14 2.17 2.21 2.24	1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5803	1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2	2.02 2.06 2.10 2.13 2.16 2.20 2.23	[393.8] 1.5333 1.5379 1.5453 1.5526 1.5596 1.5664 1.5731 1.5797	1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0	2.01 2.05 2.09 2.12 2.15 2.19 2.22	[394.2] 1.5329 1.5373 1.5447 1.5519 1.5589 1.5658 1.5725 1.5790	1203.7 1210.1 1216.4 1222.7 1228.8	2.00 2.04 2.08 2.11 2.14 2.18 2.21	[394-5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784	1203.5 1209.9 1216.3 1222.5 1228.6
400 410 420 430 440 450 460 470	2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27	1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5803 1.5867	1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1	2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26	[393.8] 1.5333 1.5379 1.5453 1.5526 1.5596 1.5664 1.5731 1.5797 1.5861	1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1246.9	2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25	[394.2] 1.5329 1.5373 1.5447 1.5519 1.5589 1.5658 1.5725 1.5790 1.5855	1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1240.9 1246.8	2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.21	[394-5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849	1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7
400 410 420 430 440 450 460 470 480	2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31	1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5803 1.5867 1.5929	1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9	2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26 2.30	[393.8] 1.5333 1.5379 1.5453 1.5526 1.5596 1.5664 1.5731 1.5797 1.5861 1.5923	1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1246.9 1252.8	2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29	1.5329 1.5373 1.5447 1.5519 1.5589 1.5658 1.5725 1.5790 1.5855 1.5917	1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1240.9 1246.8 1252.7	2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24 2.28	[394.5] 1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5911	1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6 1252.5
400 410 420 430 440 450 460 470 480 490	2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34	[393-4] 1.5337 1.5386 1.5460 1.5532 1.5602 1.5737 1.5803 1.5867 1.5929 1.5991	1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9 1258.7	2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26 2.30 2.33	1.5333 1.5379 1.5453 1.5526 1.5596 1.5664 1.5731 1.5797 1.5861 1.5923 1.5985	1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1246.9 1252.8 1258.6	2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32	[394.2] 1.53.29 1.5373 1.5447 1.5519 1.5658 1.5725 1.5790 1.5855 1.5917 1.5979	1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1240.9 1246.8 1252.7 1258.5	2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.21	1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5911	1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6 1252.5 1258.3
400 410 420 430 440 450 460 470 480 490	2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34	1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5803 1.5867 1.5929 1.5991	1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9 1258.7	2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26 2.30 2.33	1.5333 1.5379 1.5453 1.5526 1.5596 1.5664 1.5731 1.5797 1.5861 1.5923 1.5985	1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1246.9 1252.8 1258.6	2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32	[394.2] 1.53.29 1.5373 1.5447 1.5519 1.5589 1.5658 1.5725 1.5790 1.5855 1.5917 1.5979	1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1240.9 1246.8 1252.7 1258.5	2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24 2.28 2.31	1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5911 1.5973 1.6033	1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6 1252.5 1258.3
400 410 420 430 440 450 460 470 480 490 500 510	2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34	1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5867 1.5929 1.5991 1.6051 1.6051	1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9 1258.7	2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26 2.30 2.33 2.36 2.39	1.5333 1.5379 1.5453 1.5526 1.5596 1.5664 1.5731 1.5731 1.5923 1.5985 1.6045 1.6104	1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1252.8 1258.6	2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32 2.35 2.38	[394.2] 1.5329 1.5373 1.5447 1.5519 1.5589 1.5658 1.5725 1.5790 1.5855 1.5917 1.5979 1.6039 1.6038	1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1240.9 1246.8 1252.7 1258.5	2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24 2.28 2.31 2.34 2.37	1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5911 1.5973 1.6033 1.6092	1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6 1252.5 1258.3 1264.1 1269.8
400 410 420 430 440 450 460 470 480 490 500 510 520	2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34 2.37 2.40 2.43	1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5803 1.5867 1.5929 1.5991 1.6051 1.6168	1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9 1258.7 1264.5 1270.2	2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26 2.30 2.33 2.36 2.39 2.42	1.5333 1.5379 1.5453 1.5526 1.5526 1.5564 1.5731 1.5797 1.5861 1.5923 1.5985 1.6045 1.6104 1.6162	1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1252.8 1258.6	2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32 2.35 2.38 2.41	[394.2] 1.5329 1.5373 1.5447 1.5519 1.5658 1.5725 1.5790 1.5855 1.5917 1.5979	1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1246.8 1252.7 1258.5 1264.2 1269.9	2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24 2.28 2.31 2.34 2.37 2.40	1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5911 1.5973 1.6033 1.6092 1.6151	1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6 1252.5 1258.3 1264.1 1269.8 1275.5
400 410 420 430 440 450 460 470 480 490 500 510 520 530	2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34 2.37 2.40 2.43 2.46	1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5867 1.5929 1.5991 1.6051 1.6051	1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9 1258.7	2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26 2.30 2.33 2.36 2.39 2.42 2.45	1.5333 1.5379 1.5453 1.5526 1.5596 1.5664 1.5731 1.5797 1.5861 1.5923 1.5985 1.6045 1.6162 1.6162	1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1246.9 1252.8 1258.6 1264.4 1270.1 1275.7 1281.3	2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32 2.35 2.38 2.41 2.44	1.5329 1.5373 1.5447 1.5519 1.5589 1.5658 1.5725 1.5790 1.5855 1.5917 1.5979 1.6039 1.6036 1.6156 1.6213	1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1240.9 1240.9 1252.7 1258.5 1264.2 1269.9 1275.6 1281.2	2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24 2.28 2.31 2.34 2.37 2.40 2.43	1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5911 1.5973 1.6033 1.6092 1.6126 1.628	1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1240.6 1252.5 1258.3 1264.1 1269.8 1275.5 1281.1
400 410 420 430 440 450 460 470 480 490 500 510 520 530 540	2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34 2.37 2.40 2.43 2.46 2.50	1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5803 1.5867 1.5929 1.6051 1.6051 1.6110 1.6168 1.6225 1.6281	1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9 1258.7 1264.5 1270.2 1275.8 1281.4 1287.0	2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26 2.30 2.33 2.36 2.39 2.42 2.45	1.5333 1.5379 1.5453 1.5526 1.55596 1.5664 1.5737 1.5861 1.5923 1.5985 1.6045 1.6162 1.6219 1.6275	1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1252.8 1258.6 1264.4 1270.1 1275.7 1281.3 1286.9	2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32 2.38 2.41 2.44 2.47	[394.2] 1.53.29 1.5373 1.5447 1.5519 1.5589 1.5658 1.5725 1.5790 1.5855 1.5917 1.5979 1.6039 1.6098 1.6156 1.6213 1.6270	1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1246.8 1252.7 1258.5 1264.2 1269.9 1275.6 1281.2	2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24 2.28 2.31 2.34 2.37 2.40 2.43 2.46	1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5911 1.5973 1.6033 1.6092 1.6151 1.6208 1.6264	1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6 1252.5 1258.3 1264.1 1269.8 1275.5 1281.1
400 410 420 430 440 450 460 470 480 490 510 520 530 540	2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34 2.37 2.40 2.43 2.46 2.50	1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5803 1.5867 1.5929 1.5991 1.6051 1.6168 1.6225 1.6281	1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9 1258.7 1264.5 1270.2 1275.8 1281.4 1287.0	2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26 2.30 2.33 2.36 2.39 2.42 2.45 2.49	1.5333 1.5379 1.5453 1.5526 1.5596 1.5664 1.5731 1.5797 1.5861 1.5923 1.5985 1.6045 1.6162 1.6219 1.6275	1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1246.9 1252.8 1258.6 1264.4 1270.1 1275.7 1281.3 1286.9	2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32 2.35 2.41 2.44 2.47	[394.2] 1.5329 1.5373 1.5447 1.5519 1.5589 1.5658 1.5725 1.5790 1.5855 1.5917 1.5979 1.6039 1.6039 1.6056 1.6213 1.6270	1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1240.9 1246.8 1252.7 1258.5 1264.2 1269.9 1275.6 1281.2 1286.8	2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24 2.28 2.31 2.34 2.37 2.40 2.43 2.46	1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5911 1.5973 1.6033 1.6092 1.6151 1.6208 1.6264 1.6319	1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6 1252.5 1258.3 1264.1 1269.8 1275.5 1281.1 1286.7
400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 560	2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34 2.46 2.50 2.53 2.56	1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5803 1.5867 1.5991 1.6051 1.6168 1.6225 1.6281 1.6336 1.6336	1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9 1258.7 1264.5 1270.2 1275.8 1281.4 1287.0	2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26 2.30 2.33 2.36 2.39 2.42 2.45 2.49	1.5333 1.5379 1.5453 1.5526 1.5526 1.5564 1.5731 1.5797 1.5861 1.5985 1.6045 1.6162 1.6162 1.6219 1.6275	1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1252.8 1258.6 1264.4 1270.1 1275.7 1281.3 1286.9	2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.32 2.35 2.38 2.41 2.44 2.47	[394.2] 1.5329 1.5373 1.5447 1.5519 1.5589 1.5658 1.5725 1.5790 1.6039 1.6039 1.6156 1.6213 1.6270 1.6325	1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1246.8 1252.7 1258.5 1264.2 1269.9 1275.6 1281.2 1286.8	2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24 2.28 2.31 2.34 2.37 2.40 2.43 2.46	1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5913 1.6033 1.6033 1.6036 1.6268 1.6264	1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1246.6 1252.5 1258.3 1264.1 1269.8 1275.5 1281.1 1286.7
400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570	2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34 2.37 2.40 2.43 2.46 2.50 2.55 2.56 2.59	1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5803 1.5929 1.5991 1.6051 1.6160 1.6168 1.6225 1.6281 1.6336 1.6336 1.6390 1.6443	1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9 1258.7 1264.5 1275.8 1275.8 1281.4 1287.0	2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26 2.30 2.33 2.39 2.45 2.45 2.49	1.5333 1.5379 1.5453 1.5526 1.5596 1.5664 1.5731 1.5797 1.5861 1.5923 1.5985 1.6045 1.6162 1.6219 1.62275 1.6331 1.6385 1.6385 1.6438	1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1246.9 1252.8 1258.6 1264.4 1270.1 1275.7 1281.3 1286.9	2.01 2.05 2.09 2.12 2.15 2.22 2.25 2.29 2.32 2.35 2.38 2.41 2.44 2.47 2.50 2.53 2.56	1.5329 1.5373 1.5447 1.5519 1.5589 1.5658 1.5725 1.5790 1.5855 1.5979 1.6039 1.6039 1.6156 1.6213 1.6270	1203.7 1216.4 1222.7 1228.8 1234.9 1246.8 1252.7 1258.5 1264.2 1269.9 1275.6 1281.2 1286.8	2.00 2.04 2.08 2.11 2.14 2.21 2.24 2.28 2.31 2.34 2.37 2.40 2.43 2.46 2.49 2.52 2.55	1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5973 1.6033 1.6092 1.6151 1.6208 1.6264	1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6 1252.5 1258.3 1264.1 1269.8 1275.5 1281.1 1286.7
400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 560	2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34 2.46 2.50 2.53 2.56	1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5803 1.5867 1.5991 1.6051 1.6168 1.6225 1.6281 1.6336 1.6336	1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9 1258.7 1264.5 1270.2 1275.8 1281.4 1287.0	2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26 2.30 2.33 2.36 2.39 2.42 2.45 2.49	1.5333 1.5379 1.5453 1.5526 1.5526 1.5564 1.5731 1.5797 1.5861 1.5985 1.6045 1.6162 1.6162 1.6219 1.6275	1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1252.8 1258.6 1264.4 1270.1 1275.7 1281.3 1286.9	2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32 2.35 2.41 2.44 2.47	[394.2] 1.5329 1.5373 1.5447 1.5519 1.5589 1.5658 1.5725 1.5790 1.6039 1.6039 1.6156 1.6213 1.6270 1.6325	1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1246.8 1252.7 1258.5 1264.2 1269.9 1275.6 1281.2 1286.8	2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24 2.28 2.31 2.34 2.37 2.40 2.43 2.46	1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5913 1.6033 1.6033 1.6036 1.6268 1.6264	1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1246.6 1252.5 1258.3 1264.1 1269.8 1275.5 1281.1 1286.7
400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590	2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34 2.46 2.50 2.53 2.56 2.59 2.65	1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5803 1.5863 1.5891 1.6110 1.6168 1.6225 1.6281 1.6336 1.6330 1.6443 1.6496 1.6548	1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9 1258.7 1264.5 1270.2 1275.8 1281.4 1287.0 1292.6 1303.6 1309.0 1314.4	2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26 2.30 2.33 2.36 2.39 2.42 2.45 2.49 2.52 2.55 2.58 2.61	1.5333 1.5379 1.5453 1.5526 1.55596 1.5564 1.5731 1.5797 1.5861 1.5985 1.6045 1.6162 1.6162 1.6219 1.6275 1.6331 1.6385 1.6438 1.6438 1.6438 1.6438 1.6438 1.6438 1.6543	1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1252.8 1258.6 1264.4 1270.1 1275.7 1281.3 1286.9 1292.5 1298.0 1303.5 1308.9 1314.3	2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32 2.38 2.41 2.44 2.47 2.50 2.53 2.56 2.59 2.62	[394.2] 1.5329 1.5373 1.5447 1.5519 1.5658 1.5725 1.5790 1.5855 1.5979 1.6039 1.6039 1.6156 1.6213 1.6270 1.6325 1.6379 1.6433 1.6485 1.6537	1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1240.9 1246.8 1252.7 1258.5 1264.2 1269.9 1275.6 1281.2 1286.8 1292.4 1297.9 1303.4 1308.8 1314.2	2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24 2.28 2.31 2.34 2.37 2.40 2.43 2.46 2.52 2.55 2.58 2.61	1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5913 1.6033 1.6092 1.6151 1.6208 1.6264 1.6319 1.6374 1.6427 1.6480 1.6532	1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6 1252.5 1258.3 1264.1 1269.8 1275.5 1281.1 1286.7 1292.3 1297.8 1303.3 1308.7 1314.2
400 410 420 430 440 450 460 470 480 490 500 510 520 530 550 550 550 550 550 600	2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34 2.37 2.40 2.43 2.46 2.50 2.56 2.59 2.62 2.65	1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5803 1.5867 1.5929 1.5991 1.6051 1.6168 1.6225 1.6281 1.6336 1.6336 1.6336 1.6348 1.6496 1.6548	1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9 1258.7 1264.5 1275.8 1275.8 1281.4 1287.0 1292.6 1303.6 1309.0 1314.4	2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26 2.30 2.33 2.36 2.39 2.42 2.45 2.49 2.55 2.58 2.61 2.64	1.5333 1.5379 1.5453 1.5526 1.5596 1.5664 1.5731 1.5797 1.5861 1.5923 1.6045 1.6162 1.6162 1.6219 1.6275 1.6331 1.6385 1.6438 1.6491 1.6543	1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1246.9 1252.8 1258.6 1264.4 1270.1 1275.7 1281.3 1286.9 1292.5 1303.5 1308.9 1314.3	2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32 2.35 2.38 2.41 2.47 2.50 2.53 2.56 2.59 2.62	1.5329 1.5373 1.5447 1.5519 1.5589 1.5658 1.5725 1.5790 1.5851 1.5917 1.6039 1.6039 1.6156 1.6213 1.6270 1.6325 1.6379 1.6433 1.6485 1.6537	1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1246.8 1252.7 1258.5 1264.2 1269.9 1275.6 1281.2 1286.8 1292.4 1303.4 1308.8 1314.2	2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24 2.28 2.31 2.34 2.40 2.43 2.46 2.49 2.52 2.55 2.58 2.61	1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5911 1.5973 1.6033 1.6092 1.6151 1.6208 1.6264 1.6319 1.6374 1.6427 1.6480 1.6532	1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1246.6 1252.5 1258.3 1264.1 1269.8 1275.5 1281.1 1286.7 1292.3 1297.8 1303.3 1308.7 1314.2
400 410 420 430 440 450 460 470 480 490 500 510 520 530 550 570 580 590 600 650	2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34 2.40 2.43 2.46 2.50 2.55 2.56 2.59 2.62 2.65 2.68 2.82	1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5803 1.5867 1.5929 1.6051 1.6168 1.6225 1.6225 1.6281 1.6336 1.6336 1.6390 1.6443 1.6496 1.6548 1.6600 1.6600 1.6600	1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9 1258.7 1264.5 1270.2 1275.8 1281.4 1287.0 1292.6 1303.6 1309.0 1314.4	2.02 2.06 2.10 2.13 2.16 2.22 2.23 2.26 2.30 2.33 2.36 2.39 2.45 2.45 2.55 2.45 2.55 2.61 2.64	1.5333 1.5379 1.5453 1.5526 1.5596 1.5664 1.5731 1.5797 1.5861 1.5923 1.5985 1.6045 1.6162 1.6219 1.6229 1.6233 1.6385 1.6385 1.6438 1.6491 1.6543 1.6594 1.6594	1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1252.8 1252.8 1258.6 1264.4 1270.1 1275.7 1281.3 1286.9 1298.0 1303.5 1308.9 1314.3	2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32 2.38 2.41 2.47 2.50 2.53 2.56 2.59 2.62	1.5329 1.5373 1.5447 1.5519 1.5589 1.5658 1.5725 1.5790 1.5855 1.5979 1.6039 1.6039 1.6156 1.6213 1.6270 1.6325 1.6379 1.6433 1.6485 1.6537	1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1240.9 1246.8 1252.7 1258.5 1264.2 1269.9 1275.6 1281.6 1281.6 1292.4 1308.8 1314.2	2.00 2.04 2.08 2.11 2.14 2.21 2.24 2.28 2.31 2.34 2.37 2.43 2.45 2.45 2.55 2.55 2.58 2.61 2.64 2.79	1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5973 1.6033 1.6095 1.6151 1.6208 1.6264 1.6374 1.6427 1.6480 1.6532 1.6583 1.6583	1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6 1252.5 1258.3 1264.1 1269.8 1275.5 1281.1 1286.7 1292.3 1297.8 1303.3 1308.7 1314.2
400 410 420 430 440 450 460 470 480 490 510 520 530 540 560 560 570 580 590 650 700	2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34 2.37 2.40 2.43 2.46 2.50 2.56 2.59 2.62 2.65	1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5803 1.5867 1.5929 1.5991 1.6051 1.6168 1.6225 1.6281 1.6336 1.6336 1.6336 1.6348 1.6496 1.6548	1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9 1258.7 1264.5 1275.8 1275.8 1281.4 1287.0 1292.6 1303.6 1309.0 1314.4	2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26 2.30 2.33 2.36 2.39 2.42 2.45 2.49 2.55 2.58 2.61 2.64	1.5333 1.5379 1.5453 1.5526 1.5596 1.5664 1.5731 1.5797 1.5861 1.5923 1.6045 1.6162 1.6162 1.6219 1.6275 1.6331 1.6385 1.6438 1.6491 1.6543	1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1246.9 1252.8 1258.6 1264.4 1270.1 1275.7 1281.3 1286.9 1292.5 1298.0 1303.5 1298.0 1303.5 1308.9 1314.3	2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32 2.35 2.38 2.41 2.47 2.50 2.53 2.56 2.59 2.62	1.5329 1.5373 1.5447 1.5519 1.5589 1.5658 1.5725 1.5790 1.5851 1.5917 1.6039 1.6039 1.6156 1.6213 1.6270 1.6325 1.6379 1.6433 1.6485 1.6537	1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1246.8 1252.7 1258.5 1264.2 1269.9 1275.6 1281.2 1286.8 1292.4 1297.9 1303.8 1314.2	2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24 2.28 2.31 2.34 2.40 2.43 2.46 2.49 2.52 2.55 2.58 2.61	1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5911 1.5973 1.6033 1.6092 1.6151 1.6208 1.6264 1.6319 1.63427 1.6427 1.6480 1.6532	1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6 1252.5 1258.3 1264.1 1269.8 1275.5 1281.1 1286.7 1297.8 1308.7 1314.2
400 410 420 430 440 450 460 470 480 490 500 510 520 530 550 570 580 590 600 650	2.03 2.07 2.11 2.14 2.17 2.21 2.24 2.27 2.31 2.34 2.40 2.43 2.45 2.50 2.53 2.56 2.59 2.62 2.65 2.68 2.82 2.97	1.5337 1.5386 1.5460 1.5532 1.5602 1.5670 1.5737 1.5867 1.5929 1.5991 1.6051 1.6168 1.6225 1.6281 1.6390 1.6496 1.6340 1.6496 1.6548	1204.2 1210.5 1216.8 1223.0 1229.1 1235.2 1241.2 1247.1 1252.9 1258.7 1264.5 1270.2 1275.8 1281.4 1287.0 1292.6 1298.1 1303.6 1309.0 1314.4	2.02 2.06 2.10 2.13 2.16 2.20 2.23 2.26 2.30 2.33 2.36 2.39 2.42 2.45 2.49 2.52 2.58 2.61 2.64 2.67 2.81 2.95	1.5333 1.5379 1.5453 1.5526 1.55596 1.5664 1.5731 1.5731 1.5923 1.5985 1.6045 1.6104 1.6162 1.6219 1.6275 1.6385 1.6438 1.6438 1.6438 1.6438 1.6594 1.6594 1.6841 1.7073	1204.0 1210.3 1216.6 1222.8 1229.0 1235.0 1241.0 1252.8 1252.8 1258.6 1264.4 1270.1 1275.7 1281.3 1286.9 1298.0 1303.5 1308.9 1314.3	2.01 2.05 2.09 2.12 2.15 2.19 2.22 2.25 2.29 2.32 2.38 2.41 2.44 2.47 2.50 2.53 2.56 2.59 2.62	1.5329 1.5373 1.5447 1.5519 1.5589 1.5658 1.5725 1.5725 1.5979 1.6039 1.6039 1.6021 1.6213 1.6270 1.6325 1.6379 1.6325 1.6379	1203.7 1210.1 1216.4 1222.7 1228.8 1234.9 1246.8 1252.7 1258.5 1264.2 1269.9 1275.6 1281.2 1286.8 1292.4 1297.9 1303.4 1308.8 1314.2 1314.2	2.00 2.04 2.08 2.11 2.14 2.18 2.21 2.24 2.28 2.31 2.34 2.37 2.40 2.43 2.45 2.55 2.55 2.61 2.64 2.79 2.93	1.5325 1.5366 1.5440 1.5513 1.5583 1.5651 1.5719 1.5784 1.5849 1.5973 1.6033 1.6095 1.6151 1.6208 1.6264 1.6374 1.6427 1.6480 1.6532 1.6583 1.6583	1203.5 1209.9 1216.3 1222.5 1228.6 1234.7 1240.7 1246.6 1252.5 1258.3 1264.1 1269.8 1275.5 1281.1 1286.7 1292.3 1297.8 1308.7 1314.2

sure		233 [394-9]			234 [395-3]			235 [395.6]			236 [396.0]	
Temp F.	▼	8	i	٧	•	i	٧		i	₹	8	i
Sat. I	.98	1.5321	1200.0	1.97	1.5318	1200.1	1.96	1.5314	1200.1	1.95	1.5310	1200.1
400 2	2.00	1.5360	1203.3	1.99	1.5353	1203.1	1.98	1.5346	1202.9	1.97	1.5340	1202.7
410 2	2.03	1.5434	1209.8	2.02	1.5427	1209.6	2.01	1.5421	1209.4	2.00	1.5414	1209.2
420 2	2.07	1.5506	1216.1	2.06	1.5500	1215.9	2.05	1.5494	1215.7	2.04	1.5487	1215.5
430 2	2.10	1.5576	1222.3	2.09	1.5570	1222.1	2.08	1.5564	1222.0	2.07	1.5558	1221.8
	2.13	1.5645	1228.5	2.12	1.5639	1228.3	2.11	1.5633	1228.2	2.10	1.5627	1228.0
	2.17	1.5712	1234.6	2.16	1.5706	1234.4	2.15	1.5700	1234.3	2.14	1.5694	1234.1
	2.20	1.5778	1240.6	2.19	1.5772	1240.4	2.18	1.5766	1240.3	2.17	1.5760	1240.1
	2.23	1.5842	1246.5	2.22	1.5836	1246.4	2.21	1.5831	1246.2	2.20	1.5825	1246.1
-	2.26 2.30	1.5967	1252.4	2.25 2.29	1.5899	1252.3	2.24 2.28	1.5894	1252.1	2.23	1.5950	1257.8
500		- 6000	6.		- 6000	6- 0		- 60-6	7060 0	0.00	1.6010	1263.6
	2.33	1.6028 1.6087	1264.0	2.32	1.6022	1263.9 1269.6	2.31	1.6016	1263.7 1269.5	2.30	1.6070	1269.3
	2.36 2.39	1.6145	1209.7	2.35 2.38	1.6139	1275.3	2.34 2.37	1.6134	1275.1	2.33 2.36	1.6128	1275.0
	2.42	1.6202	1281.0	2.41	1.6196	1280.9	2.40	1.6191	1280.8	2.39	1.6186	1280.7
1	2.45	1.6258	1286.6	2.44	1.6253	1286.5	2.43	1.6247	1286.4	2.42	1.6242	1286.3
550	2.48	1.6314	1292.2	2.47	1.6308	1292.1	2.46	1.6303	1292.0	2.45	1.6297	1291.9
	2.51	1.6368	1297.7	2.50	1.6363	1297.6	2.49	1.6357	1297.5	2.48	1.6352	1297.4
	2.54	1.6422	1303.2	2.53	1.6416	1303.1	2.52	1.6411	1303.0	2.51	1.6405	1302.9
	2.57	1.6475	1308.6	2.56	1.6469	1308.6	2.55	1.6464	1308.5	2.54	1.6458	1308.4
590	2.60	1.6527	1314.1	2.59	1.6521	1314.0	2.58	1.6516	1313.9	2.57	1.6510	1313.8
600	2.63	1.6578	1319.5	2.62	1.6573	1319.4	2.61	1.6567	1319.3	2.60	1.6562	1319.2
650	2.77	1.6825	1346-3	2.76	1.6820	1346.2	2.75	1.6815	1346.1	2.74	1.6809	1346.0
700	2.91	1.7058	1372.7	2.90	1.7053	1372.6	2.89	1.7047	1372.5	2.88	1.7042	1372.5
750	3.05	1.7279	1398.9	3.04	1.7274	1398.8	3.03	1.7269	1398.8	3.01	1.7264	1398.7
0 - 1												
800	3.19	1.7490	1424.9	3.17	1.7485	1424.9	3.16	1.7480	1424.9	3.15	1.7475	1424.8
800	3.19	237 [396.4]	1424.9	3.17	238 [396.8]	1424.9	3.16	239 [397.1]	1424.9	3.15	240 [397-5]	1424.0
Sat.		237 [396.4]	1424.9		238 [396.8]	1424.9		239 [397.1]	1424.9	1.92	240 [397-5]	1200.3
Sat.	1.95	237 [396.4]	1200.2	1.94	238 [396.8] 1.5302	1200.2	1.93	239 [397.1]	1200.2	1.92	240 [397.5]	1200.3
Sat. 400	1.95	237 [396.4] 1.5306 1.5333	1200.2	1.94	238 [396.8] 1.5302 1.5327	1200.2	1.93	239 [397.1] 1.5299 1.5320	1200.2	1.92	240 [397.5] 1.5295 1.5314	1200.3
Sat. 400	1.95 1.96 1.99	237 [396.4] 1.5306 1.5333 1.5408	1200.2 1202.5 1209.0	1.94 1.95 1.98	238 [396.8] 1.5302 1.5327 1.5402	1200.2	1.93 1.94 1.97	239 [397.1] 1.5299 1.5320 1.5395	1200.2	1.92 1.93 1.96	240 [397.5] 1.5295 1.5314 1.5389	1200.3
Sat. 400 410 420	1.95 1.96 1.99 2.03	237 [396.4] 1.5306 1.5333 1.5408 1.5481	1200.2 1202.5 1209.0 1215.4	1.94 1.95 1.98 2.02	238 [396.8] 1.5302 1.5327 1.5402 1.5474	1200.2 1202.3 1208.8 1215.2	1.93 1.94 1.97 2.01	239 [397.1] 1.5299 1.5320 1.5395 1.5468	1200.2 1202.2 1208.6 1215.0	1.92 1.93 1.96 2.00	240 [397.5] 1.5295 1.5314 1.5389 1.5462	1200.3
Sat. 400	1.95 1.96 1.99	237 [396.4] 1.5306 1.5333 1.5408	1200.2 1202.5 1209.0	1.94 1.95 1.98	238 [396.8] 1.5302 1.5327 1.5402	1200.2	1.93 1.94 1.97	239 [397.1] 1.5299 1.5320 1.5395	1200.2	1.92 1.93 1.96	240 [397.5] 1.5295 1.5314 1.5389	1200.3 1202.0 1208.4 1214.8
Sat. 400 410 420 430	1.95 1.96 1.99 2.03 2.06	237 [396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621	1200.2 1202.5 1209.0 1215.4 1221.6	1.94 1.95 1.98 2.02 2.05	238 [396.8] 1.5302 1.5327 1.5402 1.5474 1.5545 1.5614	1200.2 1202.3 1208.8 1215.2 1221.5	1.93 1.94 1.97 2.01 2.04	239 [397.1] 1.5299 1.5320 1.5395 1.5468 1.5539	1200.2 1202.2 1208.6 1215.0 1221.3	1.92 1.93 1.96 2.00 2.03	240 [397.5] 1.5295 1.5314 1.5389 1.5462 1.5533	1200.3 1202.0 1208.4 1214.8 1221.1
Sat. 400 410 420 430 440	1.95 1.96 1.99 2.03 2.06 2.09	237 [396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621	1200.2 1202.5 1209.0 1215.4 1221.6 1227.8	1.94 1.95 1.98 2.02 2.05 2.08	238 [396.8] 1.5302 1.5327 1.5402 1.5474 1.5545	1200.2 1202.3 1208.8 1215.2 1221.5 1227.7	1.93 1.94 1.97 2.01 2.04 2.07	239 [397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608	1200.2 1202.2 1208.6 1215.0 1221.3 1227.5	1.92 1.93 1.96 2.00 2.03 2.07 2.10 2.13	240 [397.5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5670 1.5736	1200.3 1202.0 1208.4 1214.8 1221.1 1227.3
Sat. 400 410 420 430 440 450 460 470	1.95 1.96 1.99 2.03 2.06 2.09	237 [396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5819	1200.2 1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9	1.94 1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18	238 [396.8] I.5302 I.5327 I.5402 I.5474 I.5545 I.5614 I.5682 I.5748 I.5748	1200.2 1202.3 1208.8 1215.2 1221.5 1227.7	1.93 1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17	239 [397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807	1200.2 1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6	1.92 1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16	240 [397.5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5736 1.5736	1200.3 1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1239.5 1245.5
Sat. 400 410 420 430 440 450 460 470 480	1.95 1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22	237 [396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5628 1.5758 1.5781 1.5819 1.5882	1200.2 1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9 1251.8	1.94 1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21	238 [396.8] 1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5788 1.5813 1.5876	1200.2 1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1239.8 1245.8	1.93 1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17	239 [397.1] 1.5299 1.5320 1.5395 1.5468 1.5568 1.5668 1.5676 1.5742 1.5867	1200.2 1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1251.6	1.92 1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19	240 [397.5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5670 1.5801 1.5864	1200.3 1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1251.4
Sat. 400 410 420 430 440 450 460 470	1.95 1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19	237 [396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5819	1200.2 1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9	1.94 1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18	238 [396.8] I.5302 I.5327 I.5402 I.5474 I.5545 I.5614 I.5682 I.5748 I.5748	1200.2 1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1239.8 1245.8	1.93 1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17	239 [397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807	1200.2 1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6	1.92 1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16	240 [397.5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5736 1.5736	1200.3 1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1239.5 1245.5
Sat. 400 410 420 430 440 450 460 470 480 490 500	1.95 1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22	237 [396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5819 1.5882 1.5944 1.6004	1200.2 1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9 1251.8 1257.7	1.94 1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21	238 [396.8] I.5302 I.5327 I.5402 I.5474 I.5545 I.5614 I.5682 I.5748 I.5813 I.5876 I.5938	1200.2 1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1245.8 1251.7 1257.5	1.93 1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24	239 [397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5668 1.5742 1.5807 1.5870 1.5932	1200.2 1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1251.6 1257.4	1.92 1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23	240 [397.5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5736 1.5801 1.5864 1.5926	1200.3 1202.0 1208.4 1214.8 1221.1 1227.3 1239.5 1245.5 1251.4 1257.3
Sat. 400 410 420 430 440 450 460 470 480 490 510	1.95 1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.26	237 [396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5819 1.5882 1.5944 1.6004	1200.2 1202.5 1209.0 1215.4 1221.6 1227.8 1245.9 1245.9 1251.8 1257.7	1.94 1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25 2.28 2.31	238 [396.8] I.5302 I.5327 I.5402 I.5474 I.5545 I.5682 I.5748 I.5813 I.5876 I.5938 I.5938	1200.2 1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1245.8 1251.7 1257.5	1.93 1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24	239 [397.1] 1.5299 1.5320 1.5395 1.5468 1.55608 1.5676 1.5742 1.5807 1.5870 1.5932 1.5932	1200.2 1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1251.6 1257.4 1263.2 1269.0	1.92 1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23	240 [397-5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5801 1.5804 1.5864 1.5926	1200.3 1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1239.5 1245.5 1251.4 1257.3 1268.8
Sat. 400 410 420 430 440 450 460 470 480 490 510 520	1.95 1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.26	237 [396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5784 1.5819 1.5882 1.5944 1.6004 1.6004 1.6064	1200.2 1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1245.9 1245.9 1257.7	1.94 1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25 2.28 2.31 2.34	238 [396.8] 1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5781 1.5876 1.5938 1.5938	1200.2 1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1245.8 1257.5 1257.5 1263.3 1269.1 1274.8	1.93 1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.27 2.30 2.33	239 [397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5742 1.5807 1.5870 1.5932	1200.2 1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1257.4 1263.2 1269.0 1274.7	1.92 1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.32	240 [397.5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5760 1.5786 1.5861 1.5864 1.5926	1200.3 1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1257.3 1263.1 1268.8 1274.5
Sat. 400 410 420 430 440 450 460 470 480 490 510 520 530	1.95 1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.22 2.26 2.29 2.32 2.35 2.38	237 [396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5882 1.5944 1.6004 1.6004 1.6122 1.6180	1200.2 1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9 1251.8 1257.7 1263.5 1269.2 1274.9 1280.6	1.94 1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.21 2.25 2.28 2.31 2.34 2.37	238 [396.8] 1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748 1.5813 1.5876 1.5938 1.5938 1.6174	1200.2 1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1239.8 1245.8 1251.7 1263.3 1269.1 1274.8 1280.5	1.93 1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.27 2.30 2.33 2.36	239 [397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807 1.5807 1.5893 1.6052 1.6111 1.6168	1200.2 1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1257.4 1263.2 1269.0 1274.7 1280.3	1.92 1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.32	240 [397.5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5736 1.5801 1.5804 1.5926 1.5987 1.6105 1.6105 1.6105	1200.3 1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1257.3 1263.1 1268.8 1274.5 1274.5
Sat. 400 410 420 430 440 450 460 470 480 490 510 520	1.95 1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.26	237 [396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5784 1.5819 1.5882 1.5944 1.6004 1.6004 1.6064	1200.2 1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1245.9 1245.9 1257.7	1.94 1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.21 2.25 2.28 2.31 2.34	238 [396.8] 1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5781 1.5876 1.5938 1.5938	1200.2 1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1245.8 1257.5 1257.5 1263.3 1269.1 1274.8	1.93 1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.27 2.30 2.33	239 [397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5742 1.5807 1.5870 1.5932	1200.2 1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1257.4 1263.2 1269.0 1274.7	1.92 1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.32	240 [397.5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5801 1.5864 1.5926 1.5926 1.59364 1.5926 1.59364 1.5926	1200.3 1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1257.3 1263.1 1268.8 1274.5
Sat. 400 410 420 430 440 450 460 470 480 490 500 530 540	1.95 1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.22 2.26 2.29 2.32 2.35 2.38 2.41	237 [396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5784 1.5819 1.5882 1.5944 1.6004 1.6004 1.6122 1.6180 1.6236	1200.2 1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1245.9 1245.9 1257.7 1263.5 1269.2 1274.9 1286.6 1286.2	1.94 1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25 2.28 2.31 2.34 2.37 2.40	238 [396.8] 1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5786 1.5876 1.5938 1.6058 1.6174 1.6231 1.6231	1200.2 1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1245.8 1257.5 1257.5 1263.3 1274.8 1280.5 1286.1	1.93 1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.27 2.30 2.33 2.36 2.39	239 [397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5742 1.5870 1.5870 1.5932 1.6052 1.6111 1.6168 1.6225	1200.2 1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1235.6 1257.4 1263.2 1269.0 1274.7 1280.3 1286.0	1.92 1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.32 2.35 2.38	240 [397-5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5864 1.5864 1.5926 1.5926 1.6047 1.6105 1.6163 1.6220	1200.3 1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1257.3 1263.1 1268.8 1274.5 1285.9 1291.4
Sat. 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540	1.95 1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.26 2.35 2.38 2.41	237 [396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5819 1.5882 1.5944 1.6004 1.6122 1.6180 1.6236	1200.2 1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1245.9 1245.9 1257.7 1263.5 1274.9 1280.6 1286.2 1291.8 1297.3	1.94 1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25 2.28 2.31 2.34 2.37 2.40	238 [396.8] 1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748 1.5876 1.5938 1.5938 1.6058 1.6177 1.6174 1.6231 1.6231	1200.2 1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1245.8 1257.5 1263.3 1269.1 1274.8 1280.5 1286.1	1.93 1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.27 2.30 2.33 2.36 2.39	239 [397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807 1.5870 1.5932 1.6052 1.6111 1.6168 1.6225 1.6280 1.6335	1200.2 1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1231.6 1251.6 1251.6 1257.4 1263.2 1269.0 1274.7 1280.3 1286.0	1.92 1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.32 2.35 2.38	240 [397.5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5736 1.5864 1.5864 1.5926 1.6105 1.6105 1.6105 1.6220 1.6275 1.6330	1200.3 1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1257.3 1263.1 1263.1 1274.5 1280.2 1285.9
Sat. 400 410 420 430 440 450 460 470 480 490 510 520 530 540 560 570	1.95 1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.35 2.35 2.38 2.41	237 [396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5889 1.5944 1.6004 1.6064 1.6122 1.6180 1.6236	1200.2 1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9 1251.8 1257.7 1263.5 1274.9 1274.9 1280.6 1286.2	1.94 1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.21 2.25 2.28 2.31 2.34 2.37 2.40 2.43 2.46 2.49	238 [396.8] I.5302 I.5327 I.5402 I.5474 I.5545 I.5614 I.5682 I.5748 I.5813 I.5876 I.5939 I.6058 I.6117 I.6174 I.6231 I.6231 I.6236	1200.2 1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1239.8 1245.8 1251.7 1263.3 1269.1 1274.8 1280.5 1286.1	1.93 1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.27 2.30 2.36 2.39 2.42 2.45 2.48	239 [397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807 1.5807 1.5807 1.5807 1.5805 1.6052 1.6111 1.6168 1.6225 1.6280 1.6335 1.6338	1200.2 1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1251.6 1257.4 1269.0 1274.7 1280.3 1286.0 1291.5 1297.1 1302.6	1.92 1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.35 2.38 2.41 2.44 2.46	240 [397-5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5736 1.5861 1.5864 1.5987 1.6105 1.6103 1.6103 1.6220 1.6233 1.6330 1.63384	1200.3 1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1251.4 1257.3 1268.8 1274.5 1285.9 1291.4 1297.0 1302.5
Sat. 400 410 420 440 450 460 470 480 490 500 510 520 530 540	1.95 1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.26 2.35 2.38 2.41	237 [396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5819 1.5882 1.5944 1.6004 1.6122 1.6180 1.6236	1200.2 1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1245.9 1245.9 1257.7 1263.5 1274.9 1280.6 1286.2 1291.8 1297.3	1.94 1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25 2.28 2.31 2.34 2.37 2.40	238 [396.8] 1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748 1.5876 1.5938 1.5938 1.6058 1.6177 1.6174 1.6231 1.6231	1200.2 1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1245.8 1257.5 1263.3 1269.1 1274.8 1280.5 1286.1	1.93 1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.27 2.30 2.33 2.36 2.39	239 [397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807 1.5870 1.5932 1.6052 1.6111 1.6168 1.6225 1.6280 1.6335	1200.2 1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1231.6 1251.6 1251.6 1257.4 1263.2 1269.0 1274.7 1280.3 1286.0	1.92 1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.32 2.35 2.38	240 [397.5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5736 1.5864 1.5864 1.5926 1.6105 1.6105 1.6105 1.6220 1.6275 1.6330	1200.3 1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1257.3 1263.1 1263.1 1274.5 1280.2 1285.9
Sat. 400 410 420 440 450 460 470 480 490 500 510 520 530 540 560 570 580 590	1.95 1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.26 2.35 2.38 2.41 2.44 2.47 2.50 2.53 2.56	237 [396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5819 1.5882 1.5944 1.6004 1.6022 1.6180 1.622 1.6180 1.6236 1.6292 1.6346 1.6400 1.6453 1.6505	1200.2 1202.5 1209.0 1215.4 1227.8 1233.9 1245.9 1257.7 1263.5 1269.2 1274.9 1286.6 1291.8 1297.3 1302.8 1308.3 1313.7	1.94 1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25 2.28 2.31 2.34 2.37 2.40 2.43 2.46 2.49 2.52 2.54	238 [396.8] 1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748 1.5876 1.5938 1.6058 1.6174 1.6231 1.6231 1.6236 1.6394 1.6394 1.6447 1.6500	1200.2 1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1245.8 1257.5 1263.3 1269.1 1274.8 1280.5 1286.1 1291.6 1297.2 1302.7 1308.2 1313.6	1.93 1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.27 2.33 2.36 2.39 2.42 2.45 2.48 2.50 2.53	239 [397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807 1.5870 1.5932 1.6052 1.6111 1.6168 1.6225 1.6335 1.6389 1.6442 1.6495	1200.2 1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1257.4 1263.2 1257.4 1263.2 1274.7 1280.3 1286.0 1291.5 1297.1 1302.6 1308.1 1313.6	1.92 1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.32 2.35 2.38 2.41 2.44 2.49 2.52	240 [397-5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5864 1.5864 1.5926 1.5987 1.6047 1.6105 1.6103 1.6220 1.6220 1.6233 1.6384 1.6437 1.6489	1200.3 1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1257.3 1263.1 1268.8 1274.5 1280.2 1285.9 1291.4 1297.0 1302.5 1308.0 1313.5
Sat. 400 410 420 430 440 450 460 470 480 490 510 520 530 540 550 560 570 580 590 600	1.95 1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.22 2.26 2.22 2.35 2.38 2.41 2.44 2.50 2.53 2.56	237 [396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5882 1.5944 1.6004 1.6122 1.6180 1.6236 1.6292 1.6346 1.6400 1.6453 1.6505	1200.2 1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1245.9 1251.8 1257.7 1263.5 1269.2 1297.4 1280.6 1286.2 1291.8 1302.8 1302.8 1303.3 1313.7	1.94 1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.18 2.21 2.25 2.28 2.34 2.37 2.40 2.43 2.46 2.49 2.52 2.54	238 [396.8] 1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5682 1.5748 1.5813 1.5876 1.5938 1.6177 1.6174 1.6231 1.6231 1.6236 1.6341 1.6394 1.6447 1.6500	1200.2 1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1239.8 1251.7 1257.5 1263.3 1269.1 1291.6 1297.2 1302.7 1308.2 1313.6 1319.1	1.93 1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.27 2.33 2.36 2.39 2.42 2.45 2.48 2.50 2.53	239 [397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807 1.5807 1.5807 1.5807 1.5803 1.6052 1.6111 1.6168 1.6225 1.6280 1.6335 1.6389 1.6442 1.6495 1.6546	1200.2 1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1251.6 1257.4 1263.2 1269.0 1274.7 1280.3 1286.0 1291.5 1302.6 1308.1 1313.6	1.92 1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.35 2.38 2.41 2.44 2.46 2.49 2.52	240 [397-5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5736 1.5861 1.5861 1.5987 1.6045 1.6105 1.6105 1.6105 1.6105 1.6220 1.6230 1.6241	1200.3 1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1251.4 1257.3 1263.1 1268.8 1274.5 1280.2 1285.9 1291.4 1297.0 1302.5 1308.0 1313.5
Sat. 400 410 420 440 450 460 470 480 490 510 520 530 540 560 560 570 580 590 600	1.95 1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.35 2.38 2.41 2.44 2.50 2.53 2.56	237 [396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5882 1.5754 1.5882 1.5754 1.6004 1.6064 1.6122 1.6180 1.6236 1.6346 1.6400 1.6453 1.6557 1.6557	1200.2 1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9 1251.8 1257.7 1263.5 1269.2 1274.9 1286.6 1286.2 1291.8 1302.8 1302.8 1303.3 1313.7	1.94 1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.28 2.31 2.37 2.40 2.43 2.46 2.49 2.52 2.54	238 [396.8] 1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5813 1.5876 1.5939 1.6058 1.6117 1.6174 1.6231 1.6231 1.6394 1.6394 1.6394 1.6447 1.6500	1200.2 1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1239.8 1245.8 1251.7 1257.5 1263.3 1274.8 1280.5 1286.1 1291.6 1297.2 1308.2 1313.6 1319.1 1345.9	1.93 1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.22 2.33 2.36 2.39 2.42 2.45 2.48 2.50 2.53	239 [397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807 1.5870 1.5932 1.6052 1.6111 1.6168 1.6225 1.6280 1.6335 1.6389 1.6442 1.64495 1.6546 1.6794	1200.2 1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1251.6 1257.4 1269.0 1274.7 1280.3 1286.0 1291.5 1302.6 1308.1 1313.6 1319.0 1345.8	1.92 1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.35 2.38 2.41 2.44 2.46 2.49 2.52 2.55	240 [397-5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5736 1.5861 1.5864 1.5987 1.6105 1.6103 1.6220 1.6275 1.6330 1.6384 1.6437 1.6489 1.6541 1.6789	1200.3 1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1251.4 1257.3 1268.8 1274.5 1280.2 1285.9 1291.4 1297.0 1302.5 1308.0 1313.5 1318.9 1345.8
Sat. 400 410 420 430 440 450 460 470 480 490 510 520 530 540 560 570 580 590 600 650 700	1.95 1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.22 2.26 2.29 2.32 2.35 2.38 2.41 2.44 2.47 2.53 2.56 2.59 2.73 2.87	237 [396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5688 1.5754 1.5819 1.5882 1.5944 1.6004 1.6064 1.6122 1.6180 1.6236 1.6236 1.6236 1.6340 1.6453 1.6557 1.6804 1.7037	1200.2 1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1245.9 1251.8 1257.7 1263.5 1269.2 1274.9 1286.6 1291.8 1291.8 1291.8 1302.8 1302.8 1303.8 1313.7	1.94 1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.21 2.25 2.28 2.31 2.34 2.37 2.40 2.43 2.46 2.49 2.52 2.54	238 [396.8] 1.5302 1.5327 1.5402 1.5474 1.5545 1.5682 1.5748 1.5813 1.5876 1.5938 1.6177 1.6174 1.6231 1.6231 1.6236 1.6341 1.6474 1.6474 1.6500	1200.2 1202.3 1208.8 1215.2 1221.5 1227.5 1233.8 1239.8 1245.8 1251.7 1257.5 1263.3 1274.8 1280.5 1291.6 1297.2 1302.7 1308.2 1313.6	1.93 1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.20 2.24 2.33 2.36 2.39 2.45 2.45 2.45 2.50 2.53	239 [397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5676 1.5742 1.5870 1.5870 1.5932 1.6052 1.6111 1.6168 1.6225 1.6225 1.6335 1.6346 1.6349 1.6495 1.6546 1.6794 1.7027	1200.2 1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1257.4 1263.2 1269.0 1274.7 1280.3 1286.0 1291.5 1302.6 1303.6 1313.6	1.92 1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.32 2.35 2.38 2.41 2.44 2.44 2.45 2.55 2.69 2.83	240 [397-5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5670 1.57670 1.57801 1.5864 1.5926 1.5926 1.6047 1.6105 1.6163 1.6220 1.6220 1.6230 1.6437 1.6437 1.6439 1.64489 1.6541 1.6789 1.7022	1200.3 1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1239.5 1251.4 1257.3 1268.8 1274.5 1280.2 1285.9 1291.4 1297.0 1302.5 1308.0 1313.5 1318.9 1345.8 1372.3
Sat. 400 410 420 440 450 460 470 480 490 510 520 530 540 560 560 570 580 590 600	1.95 1.96 1.99 2.03 2.06 2.09 2.13 2.16 2.19 2.22 2.35 2.38 2.41 2.44 2.50 2.53 2.56	237 [396.4] 1.5306 1.5333 1.5408 1.5481 1.5552 1.5621 1.5882 1.5754 1.5882 1.5754 1.6004 1.6064 1.6122 1.6180 1.6236 1.6346 1.6400 1.6453 1.6557 1.6557	1200.2 1202.5 1209.0 1215.4 1221.6 1227.8 1233.9 1240.0 1245.9 1251.8 1257.7 1263.5 1269.2 1274.9 1286.6 1286.2 1291.8 1302.8 1302.8 1303.3 1313.7	1.94 1.95 1.98 2.02 2.05 2.08 2.12 2.15 2.28 2.31 2.37 2.40 2.43 2.46 2.49 2.52 2.54	238 [396.8] 1.5302 1.5327 1.5402 1.5474 1.5545 1.5614 1.5813 1.5876 1.5939 1.6058 1.6117 1.6174 1.6231 1.6231 1.6394 1.6394 1.6394 1.6447 1.6500	1200.2 1202.3 1208.8 1215.2 1221.5 1227.7 1233.8 1239.8 1245.8 1251.7 1257.5 1263.3 1274.8 1280.5 1286.1 1291.6 1297.2 1308.2 1313.6 1319.1 1345.9	1.93 1.94 1.97 2.01 2.04 2.07 2.11 2.14 2.17 2.22 2.33 2.36 2.39 2.42 2.45 2.48 2.50 2.53	239 [397.1] 1.5299 1.5320 1.5395 1.5468 1.5539 1.5608 1.5676 1.5742 1.5807 1.5870 1.5932 1.6052 1.6111 1.6168 1.6225 1.6280 1.6335 1.6389 1.6442 1.64495 1.6546 1.6794	1200.2 1202.2 1208.6 1215.0 1221.3 1227.5 1233.6 1239.7 1245.6 1251.6 1257.4 1269.0 1274.7 1280.3 1286.0 1291.5 1302.6 1308.1 1313.6 1319.0 1345.8	1.92 1.93 1.96 2.00 2.03 2.07 2.10 2.13 2.16 2.19 2.23 2.26 2.29 2.35 2.38 2.41 2.44 2.46 2.49 2.52 2.55	240 [397-5] 1.5295 1.5314 1.5389 1.5462 1.5533 1.5602 1.5736 1.5861 1.5864 1.5987 1.6105 1.6103 1.6220 1.6275 1.6330 1.6384 1.6437 1.6489 1.6541 1.6789	1200.3 1202.0 1208.4 1214.8 1221.1 1227.3 1233.5 1245.5 1251.4 1257.3 1268.8 1274.5 1280.2 1285.9 1291.4 1297.0 1302.5 1308.0 1313.5 1318.9 1345.8

Pres- sure		241 [397.9]			242 [398.2]			243 [398.6]			244 [398.9]	
Temp F.	٧	8	i	•	•	i	•	•	i	•		i
Sat.	1.91	1.5291	1200.3	1.91	1.5288	1200.4	1.90	1.5284	1200.4	1.89	1.5280	1200.4
400	1.92	1.5307	1201.8	1.91	1.5301	1201.6	1.90	1.5294	1201.4	1.89	1.5288	1201.2
410	1.96	1.5382	1 208.3	1.95	1.5376	1208.1	1.94	1.5370	1207.9	1.93	1.5364	1207.7
420	1.99	1.5456	1214.7	1.98	1.5449	1214.5	1.97	1.5443	1214.3	1.96	1.5437	1214.1
430	2.02	1.5527	1221.0	2.01	1.5521	1220.8	2.00	1.5514	1220.6	1.99	1.5508	1220.4
440	2.06	1.5596	1227.2	2.05	1.5590	1227.0	2.04	1.5584	1226.8	2.03	1.5578	1226.7
450	2.09	1.5664	1233.3	2.08	1.5658	1233.1	2.07	1.5652	1233.0	2.06	1.5646	1232.8
460	2.12	1.5730	1239.4	2.11	1.5724	1239.2	2.10	1.5719	1239.1	2.09	1.5713	1238.9
470 480	2.15 2.18	1.5795	1245.4	2.14	1.5789	1245.2	2.13	1.5784	1245.1	2.12	1.5778	1244.9
490	2.22	1.5921	1257.2	2.21	1.5915	1257.0	2.20	1.5909	1256.9	2.19	1.5904	1256.8
		"	".	j		"					33-1	
500	2.25	1.5982	1263.0	2.24	1.5976	1262.8	2.23	1.5970	1262.7	2.22	1.5965	1262.6
510	2.28	1.6041	1268.7	2.27	1.6035	1268.6	2.26	1.6030	1268.5	2.25	1.6024	1268.4
520	2.31	1.6099	1274.4	2.30	1.6094	1274.3	2.29	1.6089	1274.2	2.28	1.6083	1274.1
530	2.34	1.6157	1280.1	2.33	1.6152	1280.0	2.32	1.6146	1279.9	2.31	1.6141	1279.8
540	2.37	1.6214	1285.7	2.36	1.6209	1285.6	2.35	1.6203	1285.5	2.34	1.6198	1285.4
550	2.40	1.6269	1291.3	2.39	1.6264	1291.2	2.38	1.6259	1291.1	2.37	1.6254	1291.0
560	2.42	1.6324	1296.9	2.41	1.6319	1296.8	2.40	1.6314	1296.7	2.39	1.6308	1296.5
570	2.45	1.6378	1302.4	2.44	1.6373	1302.3	2.43	1.6368	1302.2	2.42	1.6362	1302.1
580	2.48	1.6431	1307.9	2.47	1.6426	1307.8	2.46	1.6421	1307.7	2.45	1.6416	1307.6
590	2.51		1313.4	2.50	1.6479	1313.3	2.49	1.6473	1313.2	2.40	1.6468	1313.1
600	2.54	1.6535	1318.8	2.53	1.6530	1318.7	2.52	1.6525	1318.7	2.51	1.6520	1318.6
650	2.68	1.6784	1345.7	2.67	1.6779	1345.6	2.66	1.6773	1345.6	2.65	1.6768	1345-5
700	2.81	1.7017	1372.2	2.80	1.7012	1372.1	2.79	1.7007	1372.1	2.78	1.7002	1372.0
750 800	2.95 3.08	1.7239	1398.5	2.94	1.7234	1398.4	2.92	1.7229	1398.4	2.91	1.7224	1398.3
	3.00	1.7451	1424.0	3.07	1.7446	1424.6	3.05	1./441	1424.5	3.04	1.7436	1424.5
		245 [399-3]			246 [399-7]			247 [400.0]			248 [4∞.4]	
Sat.	1.88	1.5276	1200.5	1.88	1.5273	1200.5	1.87	1.5269	1200.5	1.86	1.5266	1200.6
410	1.92	1.5357	1207.5	1.91	1.5351	1207.3	1.90	1.5344	1207.1	1.89	1.5338	1206.9
420	1.95	1.5430	1213.9	1.94	1.5424	1213.7	1.94	1.5418	1213.6	1.93	1.5412	1213.4
430	1.99	1.5502	1220.2	1.98	1.5496	1220.1	1.97	1.5490	1219.9	1.96	1.5484	1219.7
440	2.02	1.5572	1226.5	2.01	1.5566	1226.3	2.00	1.5560	1226.2	1.99	1.5554	1226.0
450	2.05	1.5640	1232.7	2.04	1.5634	1232.5	2.03	1.5628	1232.4	2.02	1.5622	1232.2
460	2.08	1.5707	1238.8	2.07	1.5701	1238.6	2.06	1.5695	1238.5	2.06	1.5689	1238.3
470 480	2.11 2.15	1.5772	1244.8	2.10	1.5766	1244.6	2.10 2.13	1.5760	1244.5	2.09	1.5754	
490	2.18	1.5898	1256.6	2.14	1.5892	1256.5	2.16	1.5887	1250.4	2.15	1.5881	1250.3
				•	" "							_
500	2.21	1.5959	1262.5	2.20	1.5953	1262.3	2.19	1.5948	1262.2	2.18	1.5942	1262.1
510	2.24	1.6019	1268.2	2.23	1.6013	1268.1	2.22	1.6008	1268.0	2.21	1.6002	1267.9
520	2.27	1.6078	1274.0	2.26	1.6072	1273.9	2.25	1.6067		2.24	1.6061	1273.6 1279.3
530	2.30 2.33	1.6135	1279.7	2.29 2.32	1.6130	1279.6 1285.2	2.31	1.6182		2.27	1.6176	12/9.3
					1					_		
550	2.36	1.6248		2.35	1.6243	1290.8	2.34	1.6238	1290.7	2.33	1.6232	1290.6
560	2.38	1.6303	1296.5	2.37	1.6298	1296.4	2.36	1.6293	1295.3	2.35	1.6287	1295.2
570 580	2.41 2.44	1.6357	1302.0	2.40 2.43	1.6352	1301.9	2.39 2.42	1.6347	1301.8	2.38 2.41	1.6341	1301.7 1307.3
590	2.47	1.6463	1313.0	2.46	1.6458	1312.9	2.45	1.6453	1312.8	2.44	1.6447	1312.8
600	2.50	1.6514	1318.5	2.49	1.6509	1318.4	2.48	1.6504	1318.3	2.47	1.6499	1318.2
650	2.63	1.6763	1345.4	2.62	1.6758	1345.4	2.61	1.6753	1345.3	2.60	1.6748	1345.2
700	2.77	1.6997	1372.0	2.76	1.6992	1371.9	2.75	1.6987	1371.9	2.73	1.6982	1371.8
750	2.90	1.7219	1398.3	2.89	1.7215	1398.2	2.88	1.7210		2.86	1.7205	1398.1
9 1		1										
800	3.03	1.7431	1424.5	3.02	1.7427	1424.4	3.01	1.7422	1424.4	2.99	1.7417	1424.3

Pres- sure		250 [401.1]			255 [402.9]			260 [404-5]			265 [406.2]	
Temp F.		**	i	▼		ī	▼		i			i
Sat.	1.846	1.5258	1200.6	1.811	1.5241	1200.8	1.777	1.5223	1201.0	1.745	1.5206	1201.1
410 420	1.877	1.5326	1206.5	1.835	1.5295	1205.6	1.795	1.5264	1204.6	1.757	1.5234	1203.6
430	1.942	1.5472	1219.4	1.900	1.5442	1218.5	1.860	1.5413	1217.6	1.820	1.5383	1216.7
440	1.974	1.5542	1225.7	1.932	1.5513	1224.8	1.891	1.5484	1224.0	1.851	1.5455	1223.1
450	2.006	1.5611	1231.9	1.963	1.5582	1231.1	1.922	1.5553	1230.3	1.882	1.5525	1229.5
460	2.038	1.5678	1238.0	1.994	1.5649	1237.2	1.952	1.5621	1236.5	1.912	1.5593	1235.7
470	2.069	1.5743	1244.0	2.025	1.5715	1243.3	1.982	1.5687	1242.6	1.942	1.5659	1241.8
480 490	2.099 2.129	1.5807	1250.0	2.055	1.5779	1249.3	2.012	1.5752	1248.6	2.000	1.5724	1247.9
500	2.159	1.5931	1261.8	2.114	1.5904	1261.2	2.071	1.5877	1260.5	2.029	1.5850	1259.9
510	2.189	1.5991	1267.6	2.143	1.5964	1267.0	2.099	1.5938	1266.4	2.057	1.5911	1256.8
520	2.218	1.6050	1273.4	2.172	1.6024	1272.8	2.128	1.5998	1272.2	2.085	1.5971	1271.6
530 540	2.247 2.276	1.6108	1279.1 1284.8	2.201	1.6082	1278.5	2.156 2.184	1.6056	1278.0	2.113	1.6030 1.6088	1277.4 1283.1
550	2.305	1.6222	1290.4	2.257	1.6196	1289.9	2.212	1.6170	1289.4	2.168	1.6145	1288.8
56o	2.333	1.6277	1296.0	2.285	1.6251	1295.5	2.239	1.6225	1295.0	2.195	1.6200	1294.5
570	2.361	1.6331	1301.6	2.313	1.6305	1301.1	2.266	1.6280	1300.6	2.221	1.6255	1300.1
580 590	2.389 2.417	1.6384	1307.1	2.340	1.6359	1306.6	2.293	1.6334	1306.2	2.248	1.6362	1305.7
600	2.444	1.6489	1318.1	2.395	1.6464	1317.6	2.347	1.6439	1317.2	2.301	1.6415	1316.7
650	2.579	1.6738	1345.1	2.527	1.6714	1344.7	2.477	1.6690	1344.4	2.429	1.6666	1344.0
700	2.711	1.6973	1371.7	2.657	1.6949	1371.4	2.605	1.6925	1371.1	2.555	1.6902	1370.8
750	2.840	1.7195	1398.0	2.784	1.7172	1397.8	2.730	1.7149	1397.6	2.678	1.7126	1397.3
800	2.968	1.7408	1424.3	2.909	1.7385	1424.1	2.853	1.7362	1423.8	2.798	1.7339	1423.6
850	3.094	1.7612	1450.4	3.033	1.7589	1450.3	2.974	1.7566	1450.1	2.917	1.7544	1449.9
==		<u>'</u>	<u> </u>	<u> </u>					1 - 13 - 1			
. ==		270 [407.9]			275 [409.6]			280 [411.2]			285 [412.8]	
Sat.	1.713		1201.2	1.683	275	1201.4	1.654	280	1201.5	1.625	285	1201.6
Sat.	1.713	[407.9]		1.683	275 [409.6]			280 [411.2] 1.5156	1201.5		285 [412.8] 1.5139	
	1.751	[407.9] 1.5189	1201.2 1209.3 1215.8		275 [409.6] 1.5172	1201.4	1.654	280 [411.2] 1.5156 1.5223 1.5298		1.625	285 [412.8]	1201.6
420 430 440	1.751	[407.9] 1.5189 1.5281	1209.3	1.715	275 [409.6] 1.5172 1.5252	1201.4	1.654	280 [411.2] 1.5156 1.5223	1201.5	1.625	285 [412.8] 1.5139 1.5195	1201.6
420 430 440 450	1.751 1.782 1.813	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5497	1209.3	1.715 1.746 1.776	275 [409.6] 1.5172 1.5252 1.5326 1.5399 1.5469	1201.4	1.654 1.680 1.711	280 [411.2] 1.5156 1.5223 1.5298	1201.5	1.625 1.647 1.677 1.707	285 [412.8] 1.5139 1.5195 1.5270 1.5344 1.5415	1201.6 1206.5 1213.2 1219.7
420 430 440 450 460	1.751 1.782 1.813 1.843 1.873	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5497 1.5565	1209.3 1215.8 1222.3 1228.6 1234.9	1.715 1.746 1.776 1.806 1.835	275 [409.6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538	1201.4 1208.4 1215.0 1221.4 1227.8 1234.1	1.654 1.680 1.711 1.741 1.770 1.799	280 [411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511	1201.5 1207.4 1214.1 1220.6 1227.0 1233.3	1.625 1.647 1.677 1.707 1.736 1.764	285 [412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485	1201.6 1206.5 1213.2 1219.7 1226.2 1232.6
420 430 440 450 460 470	1.751 1.782 1.813 1.843 1.873	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5497 1.5565 1.5632	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1	1.715 1.746 1.776 1.806 1.835 1.864	275 [409.6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5605	1201.4 1208.4 1215.0 1221.4 1227.8 1234.1 1240.3	1.654 1.680 1.711 1.741 1.770 1.799 1.828	280 [411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5579	1201.5 1207.4 1214.1 1220.6 1227.0 1233.3 1239.6	1.625 1.647 1.677 1.707 1.736 1.764 1.792	285 [412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485 1.5553	1201.6 1206.5 1213.2 1219.7 1226.2 1232.6 1238.8
420 430 440 450 460	1.751 1.782 1.813 1.843 1.873	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5497 1.5565	1209.3 1215.8 1222.3 1228.6 1234.9	1.715 1.746 1.776 1.806 1.835	275 [409.6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538	1201.4 1208.4 1215.0 1221.4 1227.8 1234.1	1.654 1.680 1.711 1.741 1.770 1.799	280 [411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511	1201.5 1207.4 1214.1 1220.6 1227.0 1233.3	1.625 1.647 1.677 1.707 1.736 1.764	285 [412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485	1201.6 1206.5 1213.2 1219.7 1226.2 1232.6
420 430 440 450 460 470 480	1.751 1.782 1.813 1.843 1.873 1.902	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5427 1.5565 1.5632 1.5698 1.5762 1.5824	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2	1.715 1.746 1.776 1.806 1.835 1.864 1.893	275 [409.6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5605 1.5671	1201.4 1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5	1.654 1.680 1.711 1.741 1.770 1.799 1.828 1.856	280 [411.2] 1.5156 1.5223 1.5298 1.5371 1.55442 1.5579 1.5645 1.5770	1201.5 1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9	1.625 1.647 1.677 1.707 1.736 1.764 1.792 1.820	285 [412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485 1.5553 1.5619	1201.6 1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1251.2
420 430 440 450 460 470 480 490 510	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5497 1.5565 1.5632 1.5698 1.5762 1.5824 1.5885	1209.3 1215.8 1222.3 1228.6 1234.9 1247.2 1253.2	1.715 1.746 1.776 1.806 1.835 1.864 1.893 1.921 1.949 1.977	275 [409.6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5605 1.5671	1201.4 1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6	1.654 1.680 1.711 1.741 1.770 1.799 1.828 1.856 1.884	280 [411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5579 1.5645 1.5773 1.5773 1.5835	1201.5 1207.4 1214.1 1220.6 1227.0 1233.3 1245.8 1251.9	1.625 1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902	285 [412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485 1.5553 1.5619 1.5684 1.5748 1.5748	1201.6 1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1251.2
420 430 440 450 460 470 480 490 510 520	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960 1.988 2.016 2.044	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5497 1.55632 1.5638 1.5762 1.5885 1.5885	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2 1253.2 1259.2 1265.1 1271.0	1.715 1.746 1.776 1.806 1.835 1.864 1.893 1.921 1.949 1.977 2.004	275 [409.6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5605 1.5671 1.5735 1.5798 1.5860 1.5920	1201.4 1208.4 1215.0 1221.4 1227.8 1234.1 1246.5 1252.6 1258.6 1264.5	1.654 1.680 1.711 1.741 1.770 1.799 1.828 1.856 1.884 1.911 1.939 1.966	280 [411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5579 1.5645 1.5773 1.5835 1.5835 1.5895	1201.5 1207.4 1214.1 1220.6 1227.0 1233.3 1245.8 1251.9 1257.9 1263.9	1.625 1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929	285 [412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485 1.5553 1.5684 1.5748 1.5810 1.5810	1201.6 1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1251.2
420 430 440 450 460 470 480 490 510	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5497 1.5565 1.5632 1.5698 1.5762 1.5824 1.5885	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2 1253.2 1259.2 1265.1 1271.0	1.715 1.746 1.776 1.806 1.835 1.864 1.893 1.921 1.949 1.977 2.004 2.031	275 [409.6] 1.5172 1.5252 1.5326 1.5399 1.5469 1.5538 1.5605 1.5671 1.5735 1.5798 1.5860 1.5920	1201.4 1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6	1.654 1.680 1.711 1.741 1.770 1.799 1.828 1.856 1.884	280 [411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5579 1.5645 1.5773 1.5835 1.5835 1.5895	1201.5 1207.4 1214.1 1220.6 1227.0 1233.3 1245.8 1251.9	1.625 1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902	285 [412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485 1.5553 1.5619 1.5684 1.5748 1.5810 1.5871	1201.6 1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1251.2
420 430 440 450 460 470 480 490 510 520 530	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960 1.988 2.016 2.044 2.071	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5427 1.5565 1.5698 1.5762 1.5885 1.5946 1.6005	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2 1253.2 1259.2 1265.1 1271.0 1276.8	1.715 1.746 1.776 1.806 1.835 1.864 1.893 1.921 1.949 1.977 2.004 2.031	275 [409.6] 1.5172 1.5252 1.5326 1.5339 1.5469 1.5538 1.5605 1.5671 1.5735 1.5798 1.5860 1.5920 1.5980 1.6038	1201.4 1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6 1258.6 1264.5 1270.4 1276.2 1282.0	1.654 1.680 1.711 1.741 1.770 1.799 1.828 1.856 1.884 1.911 1.939 1.966 1.992	280 [411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5579 1.5773 1.5835 1.5773 1.5835 1.5895	1201.5 1207.4 1214.1 1220.6 1227.0 1233.3 1239.8 1251.9 1257.9 1263.9 1269.8 1275.7	1.625 1.647 1.677 1.707 1.736 1.764 1.790 1.820 1.848 1.875 1.902 1.929	285 [412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485 1.5553 1.5619 1.5684 1.5748 1.5810 1.5871 1.5871	1201.6 1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1251.2 1257.3 1263.3 1269.2 1275.1
420 430 440 460 470 480 490 510 520 530 540 560	1.751 1.782 1.813 1.843 1.873 1.992 1.931 1.960 1.988 2.016 2.044 2.071 2.098	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5497 1.55632 1.5698 1.5762 1.5885 1.5946 1.6005 1.6063 1.6120 1.6176	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2 1253.2 1259.2 1265.1 1271.0 1276.8 1282.6	1.715 1.746 1.776 1.806 1.835 1.864 1.893 1.921 1.949 1.977 2.004 2.031 2.058	275 [409.6] 1.5172 1.5252 1.5326 1.5339 1.5469 1.5538 1.5605 1.5671 1.5735 1.5798 1.5860 1.5920 1.5980 1.6038 1.6095 1.6095	1201.4 1208.4 1215.0 1221.4 1227.8 1234.1 1246.5 1252.6 1258.6 1264.5 1270.4 1276.2 1282.0	1.654 1.680 1.711 1.741 1.770 1.799 1.828 1.856 1.884 1.911 1.939 1.966 1.992 2.019	280 [411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5579 1.5645 1.5773 1.5835 1.5895 1.5895 1.6013 1.6071 1.6071 1.6127	1201.5 1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9 1263.9 1269.8 1275.7 1281.5	1.625 1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929 1.955 1.981	285 [412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.55485 1.5553 1.5684 1.5748 1.5810 1.5871 1.5931 1.5989 1.6047 1.6103	1201.6 1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1251.2 1257.3 1269.2 1275.1 1280.9
420 430 440 450 450 470 480 510 520 530 540 550 560 570	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960 1.988 2.016 2.044 2.071 2.098	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5427 1.5497 1.5565 1.5698 1.5762 1.5885 1.5946 1.6005 1.6005 1.6120 1.6176 1.6231	1209.3 1215.8 1222.3 1228.6 1234.9 1247.2 1253.2 1253.2 1255.1 1271.0 1276.8 1282.6	1.715 1.746 1.776 1.806 1.835 1.893 1.921 1.949 1.977 2.004 2.031 2.058	275 [409.6] 1.5172 1.5252 1.5326 1.5339 1.5469 1.5538 1.5605 1.5735 1.5798 1.5860 1.5920 1.5980 1.6038 1.6095 1.6151 1.6206	1201.4 1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1252.6 1258.6 1270.4 1276.2 1282.0 1287.8 1293.5 1299.1	1.654 1.680 1.711 1.741 1.770 1.799 1.828 1.856 1.884 1.911 1.939 1.966 1.992 2.019	280 [411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5579 1.5645 1.5773 1.5835 1.5895 1.6071 1.6127 1.6182	1201.5 1207.4 1214.1 1220.6 1227.0 1233.3 1239.8 1251.9 1263.9 1263.9 1269.8 1275.7 1281.5	1.625 1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929 1.955 1.981	285 [412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5485 1.5553 1.5684 1.5748 1.5871 1.5871 1.5931 1.5989	1201.6 1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1251.2 1257.3 1269.3 1269.2 1275.1 1280.9
420 430 440 460 470 480 490 510 520 530 540 560	1.751 1.782 1.813 1.843 1.873 1.992 1.931 1.960 1.988 2.016 2.044 2.071 2.098	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5497 1.55632 1.5698 1.5762 1.5885 1.5946 1.6005 1.6063 1.6120 1.6176	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2 1253.2 1259.2 1265.1 1271.0 1276.8 1282.6	1.715 1.746 1.776 1.806 1.835 1.864 1.893 1.921 1.949 1.977 2.004 2.031 2.058	275 [499.6] 1.5172 1.5252 1.5326 1.5339 1.5469 1.5538 1.5605 1.5735 1.5798 1.5860 1.5920 1.5980 1.6038 1.6095 1.6151 1.6206 1.6261	1201.4 1208.4 1215.0 1221.4 1227.8 1234.1 1246.5 1252.6 1258.6 1264.5 1270.4 1276.2 1282.0	1.654 1.680 1.711 1.741 1.770 1.799 1.828 1.856 1.884 1.911 1.939 1.966 1.992 2.019	280 [411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5579 1.5645 1.5773 1.5835 1.5895 1.5895 1.6013 1.6071 1.6071 1.6127	1201.5 1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9 1263.9 1269.8 1275.7 1281.5 1287.2 1292.9 1292.9 1298.6 1304.3	1.625 1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929 1.955 1.981	285 [412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.55485 1.5553 1.5684 1.5748 1.5810 1.5871 1.5931 1.5989 1.6047 1.6103	1201.6 1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1251.2 1257.3 1269.2 1275.1 1280.9
420 430 440 450 460 470 480 500 510 520 530 540 560 570 580	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960 1.988 2.016 2.044 2.071 2.098 2.125 2.178 2.178 2.204	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5565 1.5632 1.5698 1.5762 1.5885 1.5946 1.6005 1.6063 1.6120 1.6126 1.6231 1.6285	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2 1253.2 1253.2 1271.0 1276.8 1282.6 1288.3 1294.0 1299.6 1305.2	1.715 1.746 1.776 1.806 1.835 1.864 1.893 1.921 1.949 1.977 2.003 2.031 2.058 2.084 2.110 2.136 2.162	275 [499.6] 1.5172 1.5252 1.5326 1.5339 1.5469 1.5538 1.5605 1.5735 1.5798 1.5860 1.5980 1.6095 1.6151 1.6206 1.6261 1.6314 1.6367	1201.4 1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6 1264.5 1270.4 1276.2 1282.0 1287.8 1293.5 1299.1 1304.7	1.654 1.680 1.711 1.7741 1.770 1.828 1.856 1.884 1.911 1.939 1.966 1.992 2.019 2.045 2.070 2.096 2.122	280 [411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5579 1.5645 1.5773 1.5835 1.5895 1.6071 1.6127 1.6182 1.6237 1.6291 1.6291	1201.5 1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9 1267.9 1263.9 1269.8 1275.7 1281.5 1287.2 1292.9 1304.3 1309.9	1.625 1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929 1.955 1.981 2.007 2.032 2.057 2.082	285 [412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5553 1.5619 1.5684 1.5748 1.5810 1.5831 1.5931 1.5931 1.5939 1.6047 1.6103 1.6159 1.6214	1201.6 1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1251.2 1257.3 1263.3 1269.2 1275.1 1280.9 1286.7 1292.5 1298.2 1303.8
420 430 440 450 450 470 500 510 520 530 540 550 560 570 580 590 600	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960 1.988 2.016 2.044 2.071 2.098 2.125 2.152 2.178 2.204 2.230	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5565 1.5632 1.5698 1.5762 1.5885 1.5946 1.6005 1.6063 1.6120 1.6126 1.6231 1.6285 1.6338	1209.3 1215.8 1222.3 1228.6 1234.9 1247.2 1253.2 1253.2 1255.1 1271.0 1276.8 1282.6 1288.3 1294.0 1299.6 1305.2 1310.8	1.715 1.746 1.776 1.806 1.835 1.893 1.921 1.949 1.972 2.004 2.031 2.058 2.162 2.136 2.162 2.188 2.213	275 [499.6] 1.5172 1.5252 1.5326 1.5339 1.5538 1.5605 1.5735 1.5798 1.5860 1.5980 1.6038 1.6095 1.6151 1.6206 1.6261 1.6314 1.6367 1.63620	1201.4 1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6 1252.6 1264.5 1270.4 1276.2 1282.0 1287.8 1299.1 1304.7 1310.3 1315.9 1343.3	1.654 1.680 1.711 1.7741 1.770 1.828 1.856 1.884 1.911 1.939 1.966 1.992 2.019 2.045 2.070 2.096 2.122 2.147 2.172 2.295	280 [411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5579 1.5645 1.5773 1.5835 1.5835 1.5955 1.6031 1.6071 1.6127 1.6182 1.6237 1.6182 1.6237 1.6291 1.6344 1.6597	1201.5 1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9 1263.9 1269.8 1275.7 1281.5 1287.2 1292.9 1292.8 1304.3 1309.9	1.625 1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929 1.955 1.985 1.985 1.902 2.007 2.032 2.057 2.082 2.107	285 [412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5553 1.5619 1.5684 1.5748 1.5810 1.5831 1.5931 1.5931 1.5939 1.6103 1.6159 1.6214 1.6268	1201.6 1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1257.3 1263.3 1269.2 1275.1 1280.9 1286.7 1292.5 1298.2 1303.8 1309.4 1315.0 1342.6
420 430 440 460 470 480 500 510 520 530 540 550 560 570 580 590 650 700	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960 1.988 2.016 2.044 2.071 2.098 2.125 2.178 2.224 2.230	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5565 1.5632 1.5698 1.5762 1.5824 1.5885 1.5946 1.6063 1.6120 1.6120 1.6231 1.6285 1.6338 1.6391 1.6643 1.6643	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2 1253.2 1259.2 1265.1 1271.0 1276.8 1282.6 1288.3 1294.0 1295.2 1310.8	1.715 1.776 1.806 1.835 1.864 1.893 1.921 1.949 1.977 2.004 2.031 2.058 2.084 2.110 2.136 2.136 2.136 2.218	275 [499.6] 1.5172 1.5252 1.5326 1.5339 1.5469 1.5538 1.5605 1.5735 1.5798 1.5860 1.5980 1.6038 1.60261 1.6206 1.6206 1.6201 1.6314	1201.4 1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6 1264.5 1270.4 1276.2 1282.0 1287.8 1299.1 1304.7 1310.3 1315.9 1343.3 1370.2	1.654 1.680 1.711 1.770 1.828 1.856 1.884 1.911 1.939 1.966 1.992 2.019 2.045 2.070 2.096 2.122 2.147	280 [411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5579 1.5645 1.5773 1.5835 1.5895 1.6013 1.6071 1.6182 1.6237 1.6182 1.6237 1.6291 1.6344 1.6597 1.6345 1.6597 1.6345 1.6597 1.6835	1201.5 1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9 1263.9 1269.8 1275.7 1281.5 1287.2 1292.6 1304.3 1309.9	1.625 1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929 1.929 1.955 1.981 2.007 2.032 2.057 2.082 2.107	285 [412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5553 1.5619 1.5584 1.5871 1.5989 1.6047 1.6153 1.6159 1.6214 1.6268	1201.6 1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1257.3 1263.3 1269.2 1275.1 1280.9 1286.7 1292.5 1303.8 1309.4 1315.0 1342.6 1369.6
420 430 440 450 450 470 500 510 520 530 540 550 560 570 580 590 650	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960 1.988 2.016 2.044 2.071 2.098 2.125 2.152 2.178 2.204 2.230	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5565 1.5632 1.5698 1.5762 1.5885 1.5946 1.6005 1.6063 1.6120 1.6126 1.6231 1.6285 1.6338	1209.3 1215.8 1222.3 1228.6 1234.9 1241.1 1247.2 1253.2 1259.2 1265.1 1271.0 1276.8 1282.6 1288.3 1294.0 1295.2 1310.8	1.715 1.746 1.776 1.806 1.835 1.893 1.921 1.949 1.972 2.004 2.031 2.058 2.162 2.136 2.162 2.188 2.213	275 [499.6] 1.5172 1.5252 1.5326 1.5339 1.5469 1.5538 1.5605 1.5735 1.5798 1.5860 1.5980 1.6038 1.6038 1.60261 1.6206 1.6201 1.6314	1201.4 1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6 1252.6 1264.5 1270.4 1276.2 1282.0 1287.8 1299.1 1304.7 1310.3 1315.9 1343.3	1.654 1.680 1.711 1.7741 1.770 1.828 1.856 1.884 1.911 1.939 1.966 1.992 2.019 2.045 2.070 2.096 2.122 2.147 2.172 2.295	280 [411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5579 1.5645 1.5773 1.5835 1.5835 1.5955 1.6031 1.6071 1.6127 1.6182 1.6237 1.6182 1.6237 1.6291 1.6344 1.6597	1201.5 1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9 1263.9 1269.8 1275.7 1281.5 1287.2 1292.6 1304.3 1309.9	1.625 1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929 1.955 1.985 1.985 1.902 2.007 2.032 2.057 2.082 2.107	285 [412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5553 1.5619 1.5684 1.5748 1.5810 1.5831 1.5931 1.5931 1.5939 1.6103 1.6159 1.6214 1.6268	1201.6 1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1257.3 1263.3 1269.2 1275.1 1280.9 1286.7 1292.5 1298.2 1303.8 1309.4 1315.0 1342.6
420 430 440 450 450 470 500 510 520 530 540 550 560 570 580 590 650 700 750 800	1.751 1.782 1.813 1.843 1.873 1.992 1.931 1.960 1.988 2.016 2.044 2.071 2.098 2.125 2.152 2.178 2.204 2.230 2.256 2.382 2.506 2.627 2.746	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5427 1.5427 1.5565 1.5698 1.5762 1.5885 1.5946 1.6005 1.6063 1.6120 1.6176 1.6231 1.6285 1.6338 1.6391 1.6643 1.6879 1.7317	1209.3 1215.8 1222.3 1228.6 1234.9 1247.2 1253.2 1259.2 1265.1 1271.0 1276.8 1282.6 1299.6 1305.2 1310.8 1316.3 1343.7 1370.5 1397.1	1.715 1.746 1.776 1.806 1.835 1.893 1.921 1.949 1.977 2.004 2.031 2.058 2.162 2.136 2.162 2.188 2.459 2.578 2.695	275 [499.6] 1.5172 1.5252 1.5326 1.5339 1.5558 1.5505 1.5735 1.5798 1.5860 1.5980 1.6095 1.6151 1.6206 1.6261 1.6314 1.6367 1.6367 1.6857 1.7296	1201.4 1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6 1264.5 1270.4 1276.2 1282.0 1287.8 1293.5 1299.1 1304.7 1310.3 1315.9 1343.3 1370.2 1396.8 1423.2	1.654 1.680 1.711 1.770 1.799 1.828 1.856 1.884 1.911 1.939 1.966 1.992 2.019 2.045 2.070 2.020 2.122 2.147 2.172 2.295 2.414 2.531 2.646	280 [411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5579 1.5645 1.5773 1.5835 1.5835 1.5955 1.6031 1.6071 1.6182 1.627 1.6182 1.6237 1.6182 1.6291 1.6344 1.6597 1.6835 1.7060 1.7274	1201.5 1207.4 1214.1 1220.6 1227.0 1233.3 1239.6 1245.8 1251.9 1263.9 1269.8 1275.7 1281.5 1287.2 1292.9 1304.3 1309.9 1315.5 1342.9 1369.9 1315.5 1342.9 1369.9	1.625 1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929 1.955 1.981 2.007 2.032 2.057 2.082 2.107 2.132 2.253 2.371 2.486 2.599	285 [412.8] 1.5139 1.5195 1.5270 1.5344 1.5415 1.5553 1.5619 1.5684 1.5748 1.5810 1.5931 1.5989 1.6047 7.6103 1.6159 1.6214 1.6268 1.6321 1.6575 1.6813 1.7253	1201.6 1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1257.3 1263.3 1269.2 1275.1 1280.9 1286.7 1292.5 1298.2 1303.8 1309.4 1315.0 1342.6 1369.6 1369.6 1342.8
420 430 440 460 470 480 490 510 520 530 540 560 570 580 590 600 650 700 750	1.751 1.782 1.813 1.843 1.873 1.902 1.931 1.960 1.988 2.016 2.044 2.071 2.098 2.125 2.178 2.204 2.230 2.256 2.382 2.506 2.627 2.746 2.863	[407.9] 1.5189 1.5281 1.5355 1.5427 1.5427 1.5427 1.5565 1.5698 1.5762 1.5885 1.5946 1.6005 1.6063 1.6120 1.6176 1.6231 1.6285 1.6338 1.6391 1.6643 1.6879 1.7317	1209.3 1215.8 1222.3 1228.6 1234.9 1247.2 1253.2 1253.2 1271.0 1271.0 1276.8 1282.6 1288.3 1294.0 1299.6 1305.2 1310.8 1316.3 1343.7 1370.5 1397.1 1449.7	1.715 1.776 1.806 1.835 1.864 1.893 1.921 1.977 2.004 2.031 2.058 2.084 2.110 2.136 2.136 2.138 2.213 2.338 2.459 2.578 2.695	275 [499.6] 1.5172 1.5252 1.5326 1.5339 1.5538 1.5605 1.5735 1.5798 1.5860 1.5980 1.6038 1.6095 1.6151 1.6206 1.6261 1.6314 1.6367 1.6857 1.7082 1.7296	1201.4 1208.4 1215.0 1221.4 1227.8 1234.1 1240.3 1246.5 1252.6 1264.5 1270.4 1276.2 1282.0 1287.8 1293.5 1299.1 1304.7 1310.3 1315.9 1343.3 1370.2 1396.8 1423.2	1.654 1.680 1.711 1.770 1.828 1.856 1.884 1.911 1.939 1.966 1.992 2.019 2.045 2.070 2.096 2.122 2.147 2.172 2.295 2.414 2.531 2.646	280 [411.2] 1.5156 1.5223 1.5298 1.5371 1.5442 1.5511 1.5579 1.5645 1.5773 1.5835 1.5895 1.6013 1.6071 1.6127 1.6127 1.61237 1.6237 1.6237 1.6291 1.6344 1.6597 1.6345 1.627 1.6345 1.627 1.6346 1.7274	1201.5 1207.4 1214.1 1220.6 1227.0 1233.3 1245.8 1251.9 1269.8 1275.7 1281.5 1287.2 1292.9 1304.3 1304.9 1315.5 1342.9 1369.6	1.625 1.647 1.677 1.707 1.736 1.764 1.792 1.820 1.848 1.875 1.902 1.929 1.955 1.981 2.007 2.032 2.057 2.082 2.107 2.132 2.253 2.371 2.486 2.599 2.710	285 [412.8] 1.5139 1.5195 1.5270 1.5344 1.5445 1.5553 1.5619 1.5684 1.5871 1.5989 1.6047 1.6103 1.6103 1.6214 1.6268 1.6321 1.6321 1.6321 1.6321 1.6321 1.6321 1.6321 1.6321 1.6321	1201.6 1206.5 1213.2 1219.7 1226.2 1232.6 1238.8 1245.0 1257.3 1263.3 1269.2 1275.1 1280.9 1286.7 1292.5 1303.8 1309.4 1315.0 1342.6 1369.6 1396.3 1449.2

TABLE 3. SUPERHEATED STEAM

78

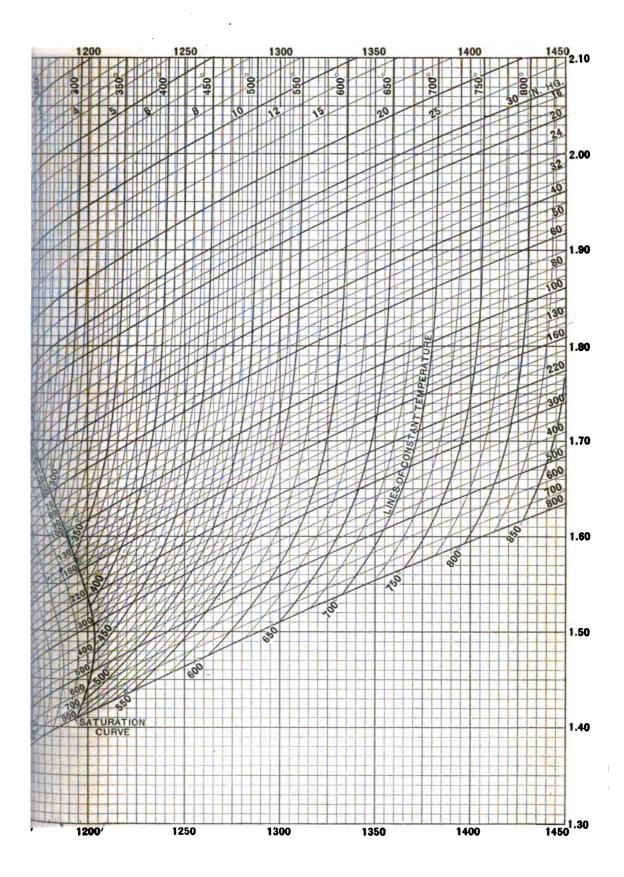
			-	1								
Pres- sure		290 [414.4]			295 [415.9]			300 [417.5]			310 [420.5]	
Temp F.	▼		i	▼		i	▼	8	i	▼	•	i
Sat.	1.598	1.5123	1201.7	1.571	1.5108	1201.8	1.545	1.5092	1201.9	1.496	1.5062	1 202.0
420	1.614	1.5167	1205.5	1.583	1.5139	1204.6	1.553	1.5112	1203.6			
430 440	1.644	1.5243	1212.3	1.612	1.5216	1211.4	1.582	1.5189	1210.4	1.523	1.5136	1208.6
			1210.9		1.3.90	1210.0	1	1.3203	122,12	33-	_	3.4
450 460	1.702	1.5389	1225.4	1.670	1.5362	1224.5	1.638	1.5336	1223.7	1.579	1.5285	1222.0
470	1.730	1.5459	1238.1	1.698	1.5432	1231.0	1.693	1.5407	1230.2	1.633	1.5357	1235.0
48o	1.786	1.5594	1244.3	1.753	1.5568	1243.6	1.720	1.5544	1242.9	1.659	1.5495	1241.4
490	1.813	1.5659	1250.5	1.780	1.5634	1249.8	1.747	1.5610	1249.1	1.685	1.5561	1247.7
500	1.840	1.5723	1256.6	1.806	1.5698	1255.9	1.773	1.5674	1255.2	1.711	1.5626	1253.9
510	1.866	1.5785	1262.6	1.832	1.5761	1262.0	1.799	1.5737	1261.3	1.736	1.5690	1260.0
520	1.893	1.5846	1268.6	1.858	1.5823	1268.0	1.825	1.5799	1267.4	1.761	1.5752	1266.1
530 540	1.919	1.5906	1274.5	1.884	1.5883	1273.9	1.850	1.5859	1273.3	1.786	1.5813	1272.1
	1		1		_							1
550 560	1.970	1.6023	1286.2	1.934	1.6000	1285.6	1.900	1.5977	1285.1	1.834	1.5932	1284.0
570	1.995	1.6136	1291.9	1.959	1.6057	1291.4	1.924	1.6034	1290.9	1.858	1.5990	1295.6
80	2.045	1.6191	1303.3	2.008	1.6168	1302.8	1.973	1.6146	1302.4	1.905	1.6102	1301.4
90	2.069	1.6245	1309.0	2.032	1.6222	1308.5	1.997	1.6200	1308.1	1.929	1.6157	1307.1
800	2.093	1.6298	1314.6	2.056	1.6276	1314.1	2,020	1.6254	1313.7	1.952	1.6211	1312.8
550	2.213	1.6553	1342.2	2.174	1.6532	1341.8	2.136	1.6510	1341.5	2.065	1.6469	1340.7
700	2.329	1.6792	1369.3	2.288	1.6771	1369.0	2.249	1.6750	1368.7	2.174	1.6710	1368.1
750 8 00	2.442	1.7018	1396.1	2.400	1.6997	1395.8	2.359	1.6977	1395.6	2.281	1.6937	1395.0
					' -							
350 300	2.663 2.772	1.7439	1449.0	2.617	1.7419	1448.9	2.573	1.7399	1448.7	2.489	1.7360	1448.3
		<u> </u>	1 -475-4	,	1	1 -473.3	1	<u> </u>	1 -4/3	1 - 33-		1
		320 [423.4]			330 [426.3]			340 [429.1]			350 [431.9]	
Sat.	1.450	1.5032	1202.2	1.407	1.5004	1202.3	1.366	1.4976	1202.4	1.327	1.4949	1202.5
130	1.469	1.5084	1206.8	1.417	1.5033	1204.9	1.368	1.4983	1203.0			
140	1.496	1.5160	1213.6	1.444	1.5110	1211.8	1.395	1.5061	1210.0	1.348	1.5013	1 208.2
150	1.523	1.5235	1220.3	1.471	1.5186	1218.6	1.421	1.5137	1216.9	1.374	1.5090	1215.2
160	1.550	1.5307	1227.0	1.497	1.5259	1225.3	1.447	1.5211	1223.7	1.399	1.5165	1222.0
70	1.576	1.5378	1233.5	1.522	1.5330	1231.9	1.472	1.5283	1230.4	1.424	1.5238	1228.8
.80 .90	1.602 1.627	1.5447	1239.9	1.547	1.5468	1238.4	1.497	1.5354	1236.9	1.448	1.5309	1235.4
1							`		_			· .
500	1.652	1.5580	1252.6	1.597	1.5534	1251.2	1.545	1.5489	1249.8	1.496	1.5446	1248.4
510 520	1.677	1.5644	1258.8	1.621	1.5599	1257.4	1.569	1.5555	1256.1	1.519	1.5512	1254.8
30	1.725	1.5768	1271.0	1.669	1.5724		1.615	1.5681	1268.5	1.565	1.5639	1267.3
40	1.749	1.5829	1277.0	1.692	1.5785	1275.8	1.638	1.5743	1274.6	1.587	1.5701	1273.5
550	1.773	1.5888	1282.9	1.715	1.5845	1281.8	1.661	1.5803	1280.7	1.609	1.5762	1279.6
60	1.796 1.819	1.5946	1288.8	1.738	1.5903	1287.7	1.683	1.5862	1286.6	1.631	1.5821	1285.6
70 80	1.842	1.6059	1300.4	1.761	1.5961	1293.6	1.705	1.5920	1292.6	1.674	1.5937	1291.5
90	1.865	1.6114	1306.2	1.805	1.6073	1305.2	1.749	1.6033	1304.3	1.696	1.5993	1303.3
300	1.887	1.6169	1311.9	1.827	1.6128	1311.0	1.770	1.6088	1310.1	1.717	1.6048	1309.2
50	1.997	1.6428	1340.0	1.934	1.6388	1339.3	1.875	1.6350	1338.5	1.819	1.6312	1337.8
00	2.104	1.6670	1367.5	2.038	1.6632	1366.9	1.976	1.6594	1366.2	1.918	1.6558	1365.6
50	2.208	1.6898	1394.5	2.140 2.239	1.6861	1394.0	2.075	1.6824	1393.5	2.014	1.6789	1393.0
1	-									,	•	
350 100	2.410	1.7323	1447.9	2.336 2.433	1.7286 1.7486	1447.6	2.267 2.360	1.7251	1447.2	2.201	1.7217	1446.8
550	2.607		1501.1	2.528	1.7678	1500.9	2.453	1.7643	1500.6	2.382	1.7610	1500.3
-	- •		1					,		J - J	1	1

Pres- sure		360 [434.6]			370 [437.2]			380 [439.8]			390 [441.0]	
Temp P.	•		i-	▼		i	▼	8	i	▼		i
Sat.	1.291	1.4922	1202.5	1.256	1.4896	1202.6	1.223	1.4871	1202.6	1.192	1.4847	1202.6
440	1.305	1.4965	1206.4	1.263	1.4919	1204.6	1.224	1.4872	1202.7			
450	1.330	1.5043	1213.4	1.288	1.4997	1211.7	1.248	1.4952	1209.9	1.211	1.4908	1208.2
460	1.355	1.5119	1220.4	1.312	1.5074	1218.7	1.272	1.5030	1217.0	1.234	1.4986	1215.3
470 480	1.379	1.5193	1227.2	1.336	1.5149	1225.6	1.296	1.5105	1224.0	1.257	1.5062	1222.3
490	1.403	1.5335	1240.5	1.383	1.5292	1239.0	1.319	1.5249	1237.5	1.303	1.5208	1229.3
500	1.450	1.5403	1247.0	1.406	1.5361	1245.6	1.364	1.5319	1244.2	1.325	1.5278	1242.8
510		1.5469	1253.4	1.428	1.5428		1.386	1.5387	1250.7	1.347	1.5347	1249.4
520 530		1.5534	1259.8	1.450	1.5494	1258.5	1.408 1.429	1.5453	1257.2	1.368	1.5414	1255.9
	1.539	1.5660	1272.3	1.494	1.5621	1271.1	1.451	1.5581	1269.9	1.410	1.5544	1268.7
550	1.561	1.5721	1278.4	1.515	1.5682	1277.3	1.472	1.5643	1276.1	1.430	1.5605	1275.0
560		1.5781	1284.5	1.536	1.5742	1283.4	1.492	1.5704	1282.3	1.450	1.5667	1281.2
570		1.5840	1290.5	1.557	1.5801	1289.4	1.513	1.5764	1288.4	1.470	1.5727	1287.3
580 590		1.5898	1296.5	1.577	1.5859	1295.4	I.533 I.553	1.5822	1294.4	1.490	1.5786 1.5843	1293.4
600	1.666	1.6010	1308.2	1.618	1.5973	1307.3	1.572	1.5936	1306.4	1.529	1.5900	1299.4
650		1.6275	1337.0	1.716	1.6239	1336.2	1.669	1.6204	1335.4	1.623	1.6170	1334.6
700		1.6522	1365.0	1.811	1.6487	1364.3	1.761	1.6453	1363.7	1.713	1.6420	1363.0
750		1.6754	1392.4	1.903	1.6720	1391.9	1.851	1.6687	1391.4	1.802	1.6654	1390.8
800		1.6974	1419.5	1.992	1.6940	1419.1	1.939	1.6908	1418.6	1.888	1.6876	1418.2
850 900	2.139	1.7183	1446.5	2.080	1.7150	1446.1 1472.9	2.024	1.7118	1445.7	1.972 2.054	1.7087	1445.3
950		1.7577	1500.1	2.252	1.7545	1499.8	2.193	1.7514	1499.5	2.136	1.7483	1472.3
	2.403		1526.9	2.337			2.276	1.7701		2.216	1.7671	
		400										
					420			440			460	
Sa t.	1.162	[444.8]	1202.5	1.107	[449.6]	1202.4	1.056	[454-2]	1202.3	1.010	[458.7]	1202.1
Sat.	1.162	[444.8]	1202.5	1.107	[449.6] I.4773	1202.4	1.056	[454.2] 1.4728	1202.3	1.010	[458.7] 1.4685	1202.1
460	1.198	[444.8] 1.4821 1.4943	1213.6	1.131	[449.6] 1.4773 1.4858	1210.2	1.069	[454.2] 1.4728 1.4776	1206.7	1.013	[458.7] 1.4685 1.4696	1203.1
460 470	1.198	[444.8] 1.4821 1.4943 1.5020	1213.6	1.131	[449.6] 1.4773 1.4858 1.4937	1210.2	1.069	[454.2] 1.4728 1.4776 1.4856	1206.7	1.013	[458.7] 1.4685 1.4696 1.4778	1203.1 1210.7
460	1.198 1.221 1.243	[444.8] 1.4821 1.4943	1213.6	1.131	[449.6] 1.4773 1.4858	1210.2	1.069	[454.2] 1.4728 1.4776	1206.7	1.013	[458.7] 1.4685 1.4696	1203.1
460 470 480 490	1.198 1.221 1.243 1.265	[444.8] 1.4821 1.4943 1.5020 1.5094 1.5167	1213.6 1220.7 1227.7 1234.6	1.131 1.153 1.175 1.196	[449.6] 1.4773 1.4858 1.4937 1.5013 1.5087	1210.2 1217.4 1224.5 1231.5	1.069 1.091 1.112 1.133	[454.2] 1.4728 1.4776 1.4856 1.4934 1.5010	1206.7 1214.1 1221.3 1228.5	1.013 1.034 1.055 1.075	[458.7] 1.4685 1.4696 1.4778 1.4857 1.4934	1203.1 1210.7 1218.1 1225.4
460 470 480 490	1.198 1.221 1.243 1.265	[444.8] 1.4821 1.4943 1.5020 1.5094 1.5167 1.5238	1213.6 1220.7 1227.7 1234.6	1.131 1.153 1.175 1.196	[449.6] 1.4773 1.4858 1.4937 1.5013 1.5087	1210.2 1217.4 1224.5 1231.5	1.069 1.091 1.112 1.133	[454.2] 1.4728 1.4776 1.4856 1.4934 1.5010 1.5083	1206.7 1214.1 1221.3 1228.5	1.013 1.034 1.055 1.075	[458.7] 1.4685 1.4696 1.4778 1.4857 1.4934 1.5009	1203.1 1210.7 1218.1 1225.4
460 470 480 490	1.198 1.221 1.243 1.265 1.287 1.309	[444.8] 1.4821 1.4943 1.5020 1.5094 1.5167	1213.6 1220.7 1227.7 1234.6	1.131 1.153 1.175 1.196	[449.6] 1.4773 1.4858 1.4937 1.5013 1.5087	1210.2 1217.4 1224.5 1231.5	1.069 1.091 1.112 1.133	[454.2] 1.4728 1.4776 1.4856 1.4934 1.5010	1206.7 1214.1 1221.3 1228.5	1.013 1.034 1.055 1.075	[458.7] 1.4685 1.4696 1.4778 1.4857 1.4934	1203.1 1210.7 1218.1 1225.4
460 470 480 490 500 510 520 530	1.198 1.221 1.243 1.265 1.287 1.309 1.330	[444.8] 1.4821 1.4943 1.5020 1.5094 1.5167 1.5238 1.5307 1.5374 1.5440	1213.6 1220.7 1227.7 1234.6 1241.3 1248.0 1254.6 1261.1	1.131 1.153 1.175 1.196 1.217 1.238 1.258 1.278	[449.6] 1.4773 1.4858 1.4937 1.5013 1.5087 1.5159 1.5230 1.5298 1.5365	1210.2 1217.4 1224.5 1231.5 1238.4 1245.2 1251.9 1258.5	1.069 1.091 1.112 1.133 1.154 1.174 1.193 1.213	[454.2] 1.4728 1.4776 1.4856 1.4934 1.5010 1.5083 1.5155 1.5225 1.5293	1206.7 1214.1 1221.3 1228.5 1235.5 1242.4 1249.2 1255.9	1.013 1.034 1.055 1.075 1.095 1.115 1.134 1.153	[458.7] 1.4685 1.4696 1.4778 1.4857 1.4934 1.5009 1.5082 1.5153 1.5222	1203.1 1210.7 1218.1 1225.4 1232.5 1239.6 1246.5 1253.3
460 470 480 490 500 510 520 530 540	1.198 1.221 1.243 1.265 1.287 1.309 1.330 1.350	[444.8] 1.4821 1.4943 1.5020 1.5094 1.5167 1.5238 1.5307 1.5374 1.5440 1.5505	1213.6 1220.7 1227.7 1234.6 1241.3 1248.0 1254.6	1.131 1.153 1.175 1.196 1.217 1.238 1.258	[449.6] 1.4773 1.4858 1.4937 1.5013 1.5087 1.5159 1.5230 1.5298	1210.2 1217.4 1224.5 1231.5 1238.4 1245.2 1251.9	1.069 1.091 1.112 1.133 1.154 1.174 1.193	[454-2] 1.4728 1.4776 1.4856 1.4934 1.5010 1.5083 1.5155 1.5225	1206.7 1214.1 1221.3 1228.5 1235.5 1242.4 1249.2	1.013 1.034 1.055 1.075 1.095 1.115 1.134	[458.7] 1.4685 1.4696 1.4778 1.4857 1.4934 1.5009 1.5082 1.5153	1203.1 1210.7 1218.1 1225.4 1232.5 1239.6 1246.5
460 470 480 490 500 510 520 530 540	1.198 1.221 1.243 1.265 1.287 1.309 1.330 1.350 1.371	[444.8] 1.4821 1.4943 1.5020 1.5094 1.5167 1.5238 1.5307 1.5374 1.5440 1.5505	1213.6 1220.7 1227.7 1234.6 1241.3 1248.0 1254.6 1261.1 1267.5	1.131 1.153 1.175 1.196 1.217 1.238 1.258 1.278 1.298	[449.6] 1.4773 1.4858 1.4937 1.5013 1.5087 1.5159 1.5230 1.5298 1.5365 1.5431 1.5495	1210.2 1217.4 1224.5 1231.5 1238.4 1245.2 1251.9 1258.5 1265.0	1.069 1.091 1.112 1.133 1.154 1.174 1.193 1.213 1.232	[454.2] 1.4728 1.4776 1.4856 1.4934 1.5010 1.5083 1.5155 1.5225 1.5225 1.5233 1.5359 1.5424	1206.7 1214.1 1221.3 1228.5 1235.5 1242.4 1249.2 1255.9 1262.5	1.013 1.034 1.055 1.075 1.075 1.115 1.134 1.153 1.172	[458.7] 1.4685 1.4696 1.4778 1.4857 1.4934 1.5009 1.5082 1.5153 1.5222 1.5289	1203.1 1210.7 1218.1 1225.4 1232.5 1239.6 1246.5 1253.3 1260.0
460 470 480 490 510 520 530 540 550 560	1.198 1.221 1.243 1.265 1.387 1.309 1.330 1.350 1.371	[444.8] 1.4821 1.4943 1.5020 1.5094 1.5167 1.5238 1.5307 1.5374 1.5440 1.5505 1.5568 1.5629	1213.6 1220.7 1227.7 1234.6 1241.3 1248.0 1254.6 1261.1 1267.5 1273.8 1280.0	1.131 1.153 1.175 1.196 1.217 1.238 1.258 1.278 1.298 1.318 1.337	[449.6] 1.4773 1.4858 1.4937 1.5013 1.5087 1.5159 1.5230 1.5298 1.5365 1.5431 1.5495 1.5557	1210.2 1217.4 1224.5 1231.5 1238.4 1245.2 1251.9 1258.5 1265.0	1.069 1.091 1.112 1.133 1.154 1.174 1.193 1.213 1.232	[454.2] 1.4728 1.4776 1.4856 1.4934 1.5010 1.5083 1.5155 1.5225 1.5225 1.5293 1.5359 1.5424 1.5488	1206.7 1214.1 1221.3 1228.5 1235.5 1242.4 1249.2 1255.9 1262.5	1.013 1.034 1.055 1.075 1.095 1.1134 1.153 1.172	[458.7] 1.4685 1.4696 1.4778 1.4857 1.4934 1.5009 1.5082 1.5153 1.5222 1.5289	1203.1 1210.7 1218.1 1225.4 1232.5 1239.6 1246.5 1253.3 1260.0
460 470 480 490 510 520 530 540 550 560 570	1.198 1.221 1.243 1.265 1.309 1.330 1.350 1.371 1.391 1.411 1.430	[444.8] 1.4821 1.4943 1.5020 1.5094 1.5167 1.5238 1.5307 1.5374 1.5555 1.5568 1.5629 1.5690	1213.6 1220.7 1227.7 1234.6 1241.3 1248.6 1261.1 1267.5	1.131 1.153 1.175 1.196 1.217 1.238 1.258 1.278 1.298 1.318 1.337 1.356	[449.6] 1.4773 1.4858 1.4937 1.5013 1.5087 1.5159 1.5230 1.5298 1.5365 1.5431 1.5495 1.5557 1.5619	1210.2 1217.4 1224.5 1231.5 1238.4 1245.2 1251.9 1258.5 1265.0	1.069 1.091 1.112 1.133 1.154 1.174 1.193 1.213 1.232 1.251 1.270 1.288	[454.2] 1.4776 1.4856 1.4954 1.5010 1.5083 1.5155 1.5225 1.5223 1.5359 1.5424 1.5488 1.5550	1206.7 1214.1 1221.3 1228.5 1235.5 1242.4 1249.2 1255.9 1262.5 1269.1 1275.5 1281.9	1.013 1.034 1.055 1.075 1.095 1.1134 1.153 1.172 1.190 1.209	[458.7] 1.4685 1.4696 1.4778 1.4857 1.4934 1.5009 1.5082 1.5153 1.5222 1.5289 1.5355 1.5420 1.5483	1203.1 1210.7 1218.1 1225.4 1232.5 1239.6 1246.5 1253.3 1260.0 1266.7 1273.2
460 470 480 490 510 520 530 540 560 560 570 580	1.198 1.221 1.243 1.265 1.387 1.309 1.330 1.350 1.371	[444.8] 1.4821 1.4943 1.5020 1.5094 1.5167 1.5238 1.5307 1.5374 1.5440 1.5505 1.5568 1.5629	1213.6 1220.7 1227.7 1234.6 1241.3 1248.0 1254.6 1261.1 1267.5 1273.8 1280.0	1.131 1.153 1.175 1.196 1.217 1.238 1.258 1.278 1.298 1.318 1.337	[449.6] 1.4773 1.4858 1.4937 1.5013 1.5087 1.5159 1.5230 1.5298 1.5365 1.5431 1.5495 1.5557	1210.2 1217.4 1224.5 1231.5 1238.4 1245.2 1251.9 1258.5 1265.0	1.069 1.091 1.112 1.133 1.154 1.174 1.193 1.213 1.232	[454.2] 1.4728 1.4776 1.4856 1.4934 1.5010 1.5083 1.5155 1.5225 1.5225 1.5293 1.5359 1.5424 1.5488	1206.7 1214.1 1221.3 1228.5 1235.5 1242.4 1249.2 1255.9 1262.5	1.013 1.034 1.055 1.075 1.095 1.1134 1.153 1.172	[458.7] 1.4685 1.4696 1.4778 1.4857 1.4934 1.5009 1.5082 1.5153 1.5222 1.5289	1203.1 1210.7 1218.1 1225.4 1232.5 1239.6 1246.5 1253.3 1260.0 1266.7 1273.2 1279.7 1286.1
460 470 480 490 510 520 530 540 560 570 580 590	1.198 1.221 1.243 1.265 1.309 1.330 1.350 1.371 1.391 1.411 1.430 1.450	[444.8] 1.4821 1.4943 1.5020 1.5094 1.5167 1.5238 1.5307 1.5374 1.5450 1.5568 1.5629 1.5690 1.5749	1213.6 1220.7 1227.7 1234.6 1241.3 1248.0 1254.6 1261.1 1267.5 1273.8 1280.0 1286.2 1292.4	1.131 1.153 1.175 1.196 1.217 1.238 1.258 1.278 1.298 1.318 1.337 1.356	[449.6] 1.4773 1.4858 1.4937 1.5013 1.5087 1.5159 1.5230 1.5298 1.5365 1.5495 1.5495 1.5557 1.5619 1.5679	1210.2 1217.4 1224.5 1231.5 1238.4 1245.2 1251.9 1258.5 1265.0 1271.4 1277.8 1284.1 1290.3 1296.4	1.069 1.091 1.112 1.133 1.154 1.174 1.193 1.213 1.232 1.251 1.270 1.288 1.307	[454.2] 1.4728 1.4776 1.4856 1.4934 1.5010 1.5083 1.51525 1.5225 1.5225 1.5223 1.5359 1.5424 1.5488 1.5550 1.5611	1206.7 1214.1 1221.3 1228.5 1235.5 1242.4 1249.2 1255.9 1262.5 1269.1 1275.5 1281.9 1288.2	1.013 1.034 1.055 1.075 1.095 1.115 1.134 1.153 1.172 1.190 1.209 1.227	[458.7] 1.4685 1.4696 1.4778 1.4934 1.5009 1.5082 1.5153' 1.5222 1.5289 1.5355 1.5420 1.5483 1.5545	1203.1 1210.7 1218.1 1225.4 1232.5 1239.6 1246.5 1253.3 1260.0 1266.7 1273.2 1279.7 1286.1
460 470 480 490 510 520 530 540 550 560 570 580 590	1.198 1.221 1.243 1.265 1.287 1.309 1.330 1.371 1.391 1.411 1.430 1.450 1.469	[444.8] 1.4821 1.4943 1.5020 1.5094 1.5167 1.5238 1.5374 1.5440 1.5505 1.5568 1.5629 1.5690 1.5749 1.5807 1.5864 1.5921	1213.6 1220.7 1227.7 1234.6 1241.3 1248.6 1261.1 1267.5 1273.8 1280.0 1286.2 1292.4 1298.5	1.131 1.153 1.175 1.196 1.217 1.238 1.258 1.278 1.298 1.318 1.337 1.356 1.375 1.393	[449.6] 1.4773 1.4858 1.4937 1.5013 1.5087 1.5159 1.5298 1.5365 1.5431 1.5495 1.5557 1.5619 1.5679 1.5738 1.5796 1.5852	1210.2 1217.4 1224.5 1231.5 1238.4 1245.2 1251.9 1258.5 1265.0 1271.4 1290.3 1296.4	1.069 1.091 1.112 1.133 1.154 1.174 1.193 1.213 1.232 1.251 1.270 1.388 1.307 1.325	1.4776 1.4876 1.4934 1.5010 1.5083 1.5155 1.5225 1.5223 1.5359 1.5424 1.5488 1.5550 1.5611 1.5670	1206.7 1214.1 1221.3 1228.5 1235.5 1242.4 1249.2 1255.9 1262.5 1269.1 1275.5 1281.9 1288.2 1294.4 1300.6 1306.7	1.013 1.034 1.055 1.075 1.1075 1.115 1.1153 1.172 1.190 1.209 1.227 1.244 1.262	[458.7] 1.4685 1.4696 1.4778 1.4857 1.4934 1.5009 1.5082 1.5153' 1.5222 1.5289 1.5355 1.5420 1.5483 1.5565 1.5665 1.5723	1203.1 1210.7 1218.1 1225.4 1232.5 1239.6 1246.5 1253.3 1260.0 1266.7 1273.2 1279.7 1286.1 1292.4 1298.6 1304.8
460 470 480 490 510 520 530 540 550 570 580 590 600 620	1.198 1.221 1.243 1.265 1.287 1.309 1.330 1.350 1.371 1.391 1.411 1.430 1.450 1.469	[444.8] 1.4943 1.5020 1.5094 1.5167 1.5238 1.5307 1.5374 1.5440 1.5505 1.5689 1.5690 1.5749 1.5807	1213.6 1220.7 1227.7 1234.6 1241.3 1248.0 1254.6 1261.1 1267.5 1273.8 1280.0 1286.2 1292.4 1298.5	1.131 1.153 1.175 1.196 1.217 1.238 1.258 1.278 1.298 1.318 1.337 1.356 1.375 1.393	[449.6] 1.4773 1.4858 1.4937 1.5013 1.5087 1.5159 1.5298 1.5365 1.5431 1.5495 1.5557 1.5619 1.5679 1.5738 1.5796 1.5852 1.5908	1210.2 1217.4 1224.5 1231.5 1238.4 1245.2 1251.9 1265.0 1271.4 1277.8 1284.1 1290.3 1296.4 1302.5 1308.6 1314.6	1.069 1.091 1.112 1.133 1.154 1.174 1.173 1.213 1.232 1.251 1.270 1.288 1.307 1.325	[454.2] 1.4728 1.4776 1.4856 1.4934 1.5010 1.5083 1.5155 1.5225 1.5225 1.5225 1.52424 1.5488 1.5551 1.5611 1.5670 1.5729 1.5729 1.57286 1.5729 1.57286	1206.7 1214.1 1221.3 1228.5 1235.5 1242.4 1249.2 1255.9 1262.5 1269.1 1275.5 1281.9 1288.2 1294.4 1300.6 1306.7	1.013 1.034 1.055 1.075 1.075 1.115 1.115 1.153 1.172 1.190 1.209 1.227 1.244 1.262	[458.7] 1.4685 1.4696 1.4778 1.4857 1.4934 1.5009 1.5082 1.5153' 1.5222 1.5289 1.5355 1.5420 1.5483 1.5545 1.5665 1.5665 1.5723 1.5780	1203.1 1210.7 1218.1 1225.4 1232.5 1239.6 1246.5 1253.3 1260.0 1266.7 1273.2 1279.7 1286.1 1292.4 1298.6 1304.8 1311.0
460 470 480 490 510 520 530 540 560 570 580 590 610 620 630	1.198 1.221 1.243 1.265 1.309 1.330 1.350 1.371 1.411 1.430 1.450 1.469 1.488 1.507 1.526 1.544	[444.8] 1.4943 1.5020 1.5094 1.5167 1.5238 1.5307 1.5374 1.5440 1.5505 1.5688 1.5629 1.5690 1.5749 1.5864 1.5921 1.5921 1.5921 1.6030	1213.6 1220.7 1227.7 1234.6 1241.3 1248.0 1254.6 1261.1 1267.5 1273.8 1280.0 1286.2 1292.4 1298.5 1310.5 1310.5 1310.5 1312.3	1.131 1.153 1.175 1.196 1.217 1.238 1.258 1.278 1.298 1.318 1.337 1.356 1.375 1.393 1.412 1.448 1.466	[449.6] 1.4773 1.4858 1.4937 1.5013 1.5087 1.5159 1.5230 1.5298 1.5365 1.5431 1.5495 1.55679 1.5796 1.5796 1.5796 1.5796	1210.2 1217.4 1224.5 1231.5 1238.4 1245.2 1251.9 1258.5 1265.0 1271.4 1277.8 1284.1 1290.3 1296.4 1302.5 1308.6 1314.6 1320.5	1.069 1.091 1.112 1.133 1.154 1.174 1.193 1.213 1.232 1.251 1.270 1.288 1.307 1.325	1.4728 1.4776 1.4856 1.4934 1.5010 1.5083 1.5155 1.5225 1.5293 1.5359 1.5424 1.5488 1.55611 1.5670 1.5729 1.5729 1.5786 1.5843 1.5899	1206.7 1214.1 1221.3 1228.5 1235.5 1242.4 1249.2 1255.9 1262.5 1269.1 1275.5 1281.9 1288.2 1294.4 1300.6 1306.7 1312.8 1318.8	1.013 1.034 1.055 1.075 1.095 1.115 1.1153 1.172 1.190 1.209 1.227 1.244 1.262 1.279 1.296 1.313 1.329	[458.7] 1.4685 1.4696 1.4778 1.4857 1.4934 1.5009 1.5082 1.5153 1.5222 1.5289 1.5355 1.5420 1.5483 1.55483 1.55655 1.5780 1.5780	1203.1 1210.7 1218.1 1225.4 1232.5 1239.6 1246.5 1253.3 1260.0 1266.7 1273.2 1279.7 1286.1 1292.4 1298.6 1304.8 1311.0 1317.0
460 470 480 490 510 520 530 540 560 570 580 590 610 620 630 640	1.198 1.221 1.243 1.265 1.287 1.309 1.330 1.350 1.371 1.411 1.430 1.450 1.469 1.488 1.507 1.526 1.544	[444.8] 1.4943 1.5020 1.5020 1.5167 1.5238 1.5307 1.5374 1.5440 1.5505 1.5568 1.5629 1.5690 1.5749 1.5807 1.5864 1.5921 1.5976 1.6030 1.6083	1213.6 1220.7 1227.7 1234.6 1241.3 1248.0 1254.6 1261.1 1267.5 1273.8 1280.0 1286.2 1292.4 1298.5	1.131 1.153 1.175 1.196 1.217 1.228 1.258 1.278 1.298 1.318 1.337 1.356 1.375 1.393 1.412 1.430 1.448 1.466 1.483	[449.6] 1.4773 1.4858 1.4937 1.5013 1.5087 1.5159 1.5230 1.5298 1.5365 1.5431 1.5495 1.5557 1.5619 1.5679 1.5738 1.5796 1.5852 1.5908 1.5908 1.5963 1.6017	1210.2 1217.4 1224.5 1231.5 1238.4 1245.2 1251.9 1265.0 1271.4 1277.8 1284.1 1290.3 1296.4 1302.5 1308.6 1314.6	1.069 1.091 1.112 1.133 1.154 1.174 1.173 1.213 1.232 1.251 1.270 1.288 1.307 1.325	[454.2] 1.4778 1.4856 1.4934 1.5010 1.5083 1.5155 1.5225 1.5223 1.5359 1.5424 1.5488 1.5550 1.5611 1.5670 1.5729 1.5786 1.5843 1.5843 1.5899 1.5954	1206.7 1214.1 1221.3 1228.5 1235.5 1242.4 1249.2 1255.9 1262.5 1269.1 1275.5 1281.9 1288.2 1294.4 1300.6 1306.7 1312.8	1.013 1.034 1.055 1.075 1.195 1.1134 1.153 1.172 1.209 1.227 1.244 1.262 1.279 1.313 1.329 1.313	[458.7] 1.4685 1.4696 1.4778 1.4857 1.4934 1.5009 1.5082 1.5153' 1.5222 1.5289 1.5355 1.5420 1.5483 1.5545 1.5665 1.5665 1.5723 1.5780	1203.1 1210.7 1218.1 1225.4 1232.5 1239.6 1246.5 1253.3 1260.0 1266.7 1273.2 1279.7 1286.1 1292.4 1298.6 1304.8 1311.0
460 470 480 490 510 520 530 540 550 570 580 570 620 630 640	1.198 1.221 1.243 1.265 1.287 1.309 1.330 1.371 1.391 1.411 1.430 1.450 1.469 1.488 1.507 1.526 1.544 1.562	[444.8] 1.4821 1.4943 1.5020 1.5094 1.5167 1.5238 1.5307 1.5374 1.5440 1.5505 1.5689 1.5690 1.5749 1.5807 1.5864 1.5921 1.5976 1.6030 1.6083 1.6136	1213.6 1220.7 1227.7 1234.6 1241.3 1248.0 1254.6 1261.1 1267.5 1273.8 1280.0 1286.2 1292.4 1298.5 1304.5 1310.5 1316.4 1322.3 1328.1	1.131 1.153 1.175 1.196 1.217 1.238 1.258 1.278 1.298 1.318 1.337 1.356 1.375 1.393 1.412 1.430 1.448 1.466 1.483	[449.6] 1.4773 1.4858 1.4937 1.5013 1.5087 1.5159 1.5298 1.5365 1.5431 1.5495 1.5557 1.5619 1.5679 1.5738 1.5796 1.5852 1.5908 1.5963 1.6017	1210.2 1217.4 1224.5 1231.5 1238.4 1245.2 1251.9 1258.5 1265.0 1271.4 1290.3 1296.4 1302.5 1308.6 1314.6 1320.5 1326.4	1.069 1.091 1.112 1.133 1.154 1.174 1.193 1.213 1.232 1.251 1.270 1.388 1.307 1.325 1.342 1.360 1.377 1.395 1.412	1.4728 1.4776 1.4854 1.5010 1.5083 1.5155 1.5225 1.5223 1.5359 1.5424 1.5488 1.5550 1.5611 1.5670 1.5729 1.5786 1.5843 1.5899 1.5954	1206.7 1214.1 1221.3 1228.5 1242.4 1249.2 1255.9 1262.5 1281.9 1288.2 1294.4 1300.6 1306.7 1312.8 1318.8 1324.8	1.013 1.034 1.055 1.075 1.1075 1.115 1.115 1.153 1.172 1.190 1.209 1.227 1.244 1.262 1.313 1.329 1.346	[458.7] 1.4685 1.4696 1.4778 1.4934 1.5009 1.5082 1.5153 1.5222 1.5289 1.5355 1.5420 1.5483 1.5545 1.5665 1.5723 1.5780 1.5891 1.5945	1203.1 1210.7 1218.1 1225.4 1232.5 1239.6 1246.5 1253.3 1260.0 1266.7 1279.7 1286.1 1292.4 1298.6 1304.8 1311.0 1323.1
460 470 480 490 510 520 530 540 560 570 580 590 610 620 630 640 700	1.198 1.221 1.243 1.265 1.387 1.309 1.350 1.371 1.391 1.411 1.430 1.450 1.469 1.488 1.507 1.526 1.544 1.562	[444.8] 1.4943 1.5020 1.5094 1.5167 1.5238 1.5307 1.5374 1.5440 1.5505 1.5688 1.5629 1.5690 1.57807 1.5864 1.5921 1.6030 1.6083 1.6136	1213.6 1220.7 1227.7 1234.6 1241.3 1248.0 1254.6 1261.1 1267.5 1273.8 1280.0 1286.2 1292.4 1298.5 1310.5 1310.5 1310.5 1312.3 1328.1	1.131 1.153 1.175 1.196 1.217 1.238 1.258 1.278 1.298 1.318 1.337 1.356 1.375 1.393 1.412 1.430 1.448 1.466 1.483	[449.6] 1.4773 1.4858 1.4937 1.5013 1.5087 1.5159 1.5230 1.5298 1.5365 1.5431 1.5495 1.5557 1.5619 1.57738 1.5796 1.5852 1.5908 1.5963 1.6017 1.6070 1.6324	1210.2 1217.4 1224.5 1231.5 1238.4 1245.2 1251.9 1258.5 1265.0 1271.4 1277.8 1284.1 1290.3 1296.4 1302.5 1308.6 1314.6 1320.5 1326.4	1.069 1.091 1.112 1.133 1.154 1.174 1.193 1.213 1.232 1.251 1.270 1.288 1.307 1.325 1.342 1.367 1.377 1.395 1.412	1.4728 1.4776 1.4856 1.4934 1.5010 1.5083 1.5155 1.5225 1.5225 1.5223 1.5359 1.5424 1.5488 1.5550 1.5611 1.5670 1.5729 1.5786 1.5843 1.5899 1.5954 1.6007 1.6007	1206.7 1214.1 1221.3 1228.5 1235.5 1242.4 1249.2 1255.9 1262.5 1269.1 1275.5 1281.9 1288.2 1294.4 1300.6 1306.7 1312.8 1318.8 1324.8	1.013 1.034 1.055 1.075 1.095 1.115 1.115 1.1209 1.227 1.244 1.262 1.279 1.296 1.313 1.329 1.346	[458.7] 1.4685 1.4696 1.4778 1.4857 1.4934 1.5009 1.5082 1.5153 1.5222 1.5289 1.5355 1.5420 1.5483 1.5545 1.5665 1.5723 1.5780 1.5836 1.5891 1.5945 1.5945	1203.1 1210.7 1218.1 1225.4 1232.5 1239.6 1246.5 1253.3 1260.0 1266.7 1273.2 1279.7 1286.1 1292.4 1298.6 1304.8 1311.0 1317.0 1323.1
460 470 480 490 5100 520 530 540 560 570 580 590 610 620 630 640	1.198 1.221 1.243 1.265 1.309 1.350 1.371 1.391 1.411 1.430 1.450 1.469 1.488 1.507 1.524 1.562	[444.8] 1.4943 1.5020 1.5094 1.5167 1.5238 1.5307 1.5374 1.5440 1.5505 1.5568 1.5629 1.5690 1.5749 1.5807 1.5864 1.5921 1.5976 1.6030 1.6083	1213.6 1220.7 1227.7 1234.6 1241.3 1248.0 1254.6 1261.1 1267.5 1273.8 1280.0 1286.2 1292.4 1298.5 1304.5 1310.5 1316.4 1322.3 1328.1	1.131 1.153 1.175 1.196 1.217 1.238 1.258 1.278 1.298 1.337 1.356 1.375 1.393 1.412 1.430 1.446 1.483	[449.6] 1.4773 1.4858 1.4937 1.5013 1.5087 1.5159 1.5230 1.5298 1.5365 1.5431 1.5495 1.55679 1.5738 1.5796 1.5852 1.5908 1.5963 1.6017	1210.2 1217.4 1224.5 1231.5 1238.4 1245.2 1251.9 1258.5 1265.0 1271.4 1290.3 1296.4 1302.5 1308.6 1314.6 1320.5 1326.4	1.069 1.091 1.112 1.133 1.154 1.174 1.193 1.213 1.232 1.251 1.270 1.288 1.307 1.325 1.342 1.360 1.375 1.342 1.360	1.4728 1.4776 1.4856 1.4934 1.5010 1.5083 1.5155 1.5225 1.5225 1.5223 1.5359 1.5424 1.5488 1.5550 1.5610 1.5729 1.5729 1.5729 1.5789 1.5843 1.5899 1.5954	1206.7 1214.1 1221.3 1228.5 1235.5 1242.4 1249.2 1255.9 1262.5 1269.1 1275.5 1281.9 1288.2 1294.4 1300.6 1306.7 1312.8 1324.8 1324.8	1.013 1.034 1.055 1.075 1.095 1.115 1.134 1.153 1.172 1.209 1.227 1.244 1.262 1.279 1.296 1.313 1.329 1.346	[458.7] 1.4685 1.4696 1.4778 1.4857 1.4934 1.5009 1.5153 1.5222 1.5289 1.5355 1.5420 1.5483 1.5545 1.5605 1.5763 1.5780 1.5891 1.5945 1.6204 1.6445	1203.1 1210.7 1218.1 1225.4 1232.5 1239.6 1246.5 1253.3 1260.0 1266.7 1273.2 1279.7 1286.1 1292.4 1298.6 1304.8 1311.0 1317.0 1323.1
460 470 480 500 510 520 530 540 560 570 580 610 620 630 640 750 800	1.198 1.221 1.243 1.265 1.287 1.309 1.350 1.371 1.411 1.430 1.450 1.469 1.488 1.507 1.526 1.524 1.562 1.581 1.669 1.755 1.839	1.4821 1.4943 1.5020 1.5094 1.5167 1.5238 1.5307 1.5374 1.5440 1.5505 1.5689 1.5749 1.5807 1.5864 1.5921 1.5921 1.5908 1.6030 1.6030 1.6038 1.6136 1.6387 1.6622 1.6845	1213.6 1220.7 1227.7 1234.6 1241.3 1248.0 1261.1 1267.5 1273.8 1280.0 1286.2 1292.4 1298.5 1304.5 1310.5 1310.5 1310.4 1322.3 1328.1	1.131 1.153 1.175 1.196 1.217 1.228 1.258 1.278 1.298 1.318 1.337 1.356 1.375 1.375 1.412 1.430 1.448 1.466 1.483	[449.6] 1.4773 1.4858 1.4937 1.5013 1.5087 1.5159 1.5230 1.5298 1.5365 1.5431 1.5495 1.5557 1.5619 1.5679 1.5738 1.5796 1.5852 1.5968 1.5963 1.6017 1.6070 1.6324 1.6561 1.6785	1210.2 1217.4 1224.5 1231.5 1238.4 1245.2 1251.9 1258.5 1265.0 1271.4 1290.3 1296.4 1302.5 1308.6 1314.6 1320.5 1320.4	1.069 1.091 1.112 1.133 1.154 1.174 1.193 1.213 1.232 1.251 1.270 1.288 1.307 1.325 1.342 1.360 1.377 1.395 1.412 1.429 1.590	1.4776 1.4856 1.4934 1.5010 1.5083 1.5155 1.5225 1.5225 1.5223 1.5359 1.5424 1.5488 1.5550 1.5611 1.5670 1.5729 1.5786 1.5843 1.5899 1.5954 1.6026 1.6026 1.6026 1.6727	1206.7 1214.1 1221.3 1228.5 1242.4 1249.2 1255.9 1262.5 1269.1 1275.5 1281.9 1288.2 1294.4 1300.6 1306.7 1312.8 1318.8 1324.8 1330.7 1359.7 1359.7 1359.7	1.013 1.034 1.055 1.075 1.1075 1.1153 1.1172 1.1209 1.227 1.244 1.262 1.279 1.313 1.329 1.346 1.362 1.362 1.362 1.362	[458.7] 1.4685 1.4696 1.4778 1.4857 1.4934 1.5009 1.5153 1.5222 1.5289 1.5355 1.5420 1.5483 1.5545 1.5605 1.5665 1.5723 1.5723 1.57836 1.5891 1.5945 1.6067	1203.1 1210.7 1218.1 1225.4 1232.5 1239.6 1246.5 1253.3 1260.0 1266.7 1273.2 1279.7 1286.1 1292.4 1298.6 1304.8 1311.0 1323.1 1358.4 1358.4 1386.9 1414.9
460 470 480 490 510 520 530 540 560 570 580 590 610 620 630 640 750 800 850	1.198 1.221 1.243 1.265 1.387 1.309 1.350 1.371 1.391 1.411 1.430 1.450 1.469 1.488 1.507 1.526 1.581 1.669 1.755 1.839 1.921	[444.8] 1.4943 1.5020 1.5094 1.5167 1.5238 1.5307 1.5374 1.5440 1.5505 1.5568 1.5629 1.5690 1.5749 1.5807 1.5864 1.5921 1.5976 1.6030 1.6083	1213.6 1220.7 1227.7 1234.6 1241.3 1248.0 1254.6 1261.1 1267.5 1273.8 1280.0 1286.2 1292.4 1298.5 1310.5 1310.5 1312.3 1322.3 1328.1	1.131 1.153 1.175 1.196 1.217 1.238 1.258 1.278 1.298 1.337 1.356 1.375 1.393 1.412 1.430 1.446 1.483	[449.6] 1.4773 1.4858 1.4937 1.5013 1.5087 1.5159 1.5230 1.5298 1.5365 1.5431 1.5495 1.55679 1.5738 1.5796 1.5852 1.5908 1.5963 1.6017	1210.2 1217.4 1224.5 1231.5 1238.4 1245.2 1251.9 1258.5 1265.0 1271.4 1290.3 1296.4 1302.5 1308.6 1314.6 1320.5 1320.4	1.069 1.091 1.112 1.133 1.154 1.174 1.193 1.213 1.232 1.251 1.270 1.288 1.307 1.325 1.342 1.360 1.375 1.342 1.360	1.4728 1.4776 1.4856 1.4934 1.5010 1.5083 1.5155 1.5225 1.5225 1.5223 1.5359 1.5424 1.5488 1.5550 1.5610 1.5729 1.5729 1.5729 1.5729 1.5729 1.5843 1.5899 1.5954 1.6007 1.6263 1.6502	1206.7 1214.1 1221.3 1228.5 1235.5 1242.4 1249.2 1255.9 1262.5 1269.1 1275.5 1281.9 1288.2 1294.4 1300.6 1306.7 1312.8 1324.8	1.013 1.034 1.055 1.075 1.095 1.115 1.134 1.153 1.172 1.209 1.227 1.244 1.262 1.279 1.296 1.313 1.329 1.346	[458.7] 1.4685 1.4696 1.4778 1.4857 1.4934 1.5009 1.5153 1.5222 1.5289 1.5355 1.5420 1.5483 1.5545 1.5605 1.5763 1.5780 1.5891 1.5945 1.6204 1.6445	1203.1 1210.7 1218.1 1225.4 1232.5 1239.6 1246.5 1253.3 1260.0 1266.7 1273.2 1279.7 1286.1 1292.4 1298.6 1304.8 1311.0 1317.0 1323.1

Pres- sure		480 [463.1]			500 [467.2]			550 [477.2]			600 [486.5]	
Temp	▼		i	▼		i	V		i	•		i
Sat.	0.968	1.4643	1201.9	0.928	1.4601	1201.7	0.842	1.4505	1200.8	0.770	1.4414	1199.8
470	0.982	1.4700	1207.3	0.934	1.4625	1203.8						
480	1.002	1.4781	1214.8	.954	1.4707	1211.5	0.848	1.4529	1203.1			
490	1.022	1.4860	1222.2	∙973	1.4787	1219.1	.866	1.4613	1211.0	0.776	I-4444	1202.6
500	1.042	1.4936	1229.5	0.992	1.4865	1226.5	0.884	1.4694	1218.8	0.794	1.4530	1210.8
510	1.061	1.5010	1236.7	1.011	1.4940	1233.8	.902	1.4773	1226.4	.811	1.4613	1218.8
520	1.080	1.5082	1243.7	1.030	1.5014	1240.9 1248.0	.920	1.4849	1233.8	.844	1.4693	1226.5
530 540	1.099	1.5152	1257.5	1.066	1.5155	1254.9	·937 ·954	1.4923	1248.4	.860	1.4845	1234.2
550		_		0-						- 0-6		
560	1.135	1.5288	1264.2	1.083	1.5223	1261.8	0.971	1.5067	1255.5	0.876 .892	1.4918	1249.0
570	1.170	1.5418	1277.4	1.117	1.5355	1275.1		1.5203	1269.4	.907	1.5060	1263.4
580	1.187	1.5480	1283.9	1.134	1.5418	1281.7		1.5269	1276.2	.922	1.5128	1270.4
590	1.204	1.5542	1290.3	1.151	1.5481	1288.2	1.034	1.5333	1282.9	.937	1.5194	1277.4
600	1.221	1.5602	1296.6	1.167	1.5542	1294.6	1.050	1.5396	1289.5	0.951	1.5259	1284.2
610	1.237	1.5661	1302.9	1.183	1.5601		1.065	1.5457	1296.0	.966	1.5322	1291.0
620	1.254	1.5719	1309.1	1.199	1.5659	1307.3	1.080	1.5518	1302.5	.980	1.5384	1297.6
630	1.270	1.5776	1315.3	1.215	1.5717	1313.5	1.094	1.5577	1308.9	-994	1.5445	1304.2
640	1.286	1.5831	1321.4	1.230	1.5773	1319.6	1.109	1.5635	1315.2	1.008	1.5505	1310.7
650	1.302	1.5886	1327.4	1.246	1.5828	1325.7	1.123	1.5691	1321.5	1.021	1.5563	1317.2
700	1.379	1.6147	1357.0	1.320	1.6092	1355.6	1.193	1.5961	1352.1	1.087	1.5839	1348.5
750	1.453	1.6390	1385.8	1.392	1.6337	1384.6	1.260	1.6211	1381.7	1.149	1.6094	1378.7
800 850	1.525	1.6618	1414.0	1.462	1.6567	1413.0	1.324	1.6445	1410.5	1.209	1.6331	1408.0
	1.595	1.0034		1.329	1.0/04				1430.0	1.207	1.0555	1430.7
900 950	1.664	1.7041	1469.3	1.596	1.6991	1468.6	1.448	1.6875	1466.8	1.324	1.6767	1465.0
320	1.731	1/-39										
_	<u> </u>	<u> </u>	1	! 		-45	1	<u> </u>	1 -434.0	1		1493.0
		650 [495.2]	1 7		700 [503.4]	-49	1.300	750 [511.1]	1 -494.0	500	800 [518.5]	1493.0
Sat.	0.708	650	1198.7	0.656	700 [503-4]	1197.4	0.610	750	1195.9	0.570	800	1194.4
	· .	650 [495.2] 1.4330			700 [503.4] 1.4250			750 [511.1]			800 [518.5]	1
Sat. 510 520	0.708 0.733 .750	650 [495.2]	1198.7	o.656 o.667 .682	700 [503.4]	1197.4	0.610	750 [511.1]			800 [518.5]	1
510 520 530	0.733 .750 .766	650 [495.2] 1.4330 1.4458 1.4542 1.4622	1198.7 1211.0 1219.1 1227.0	o.656 o.667 .682 .697	700 [593-4] 1.4250 1.4309 1.4396 1.4480	1197.4 1203.0 1211.5 1219.7	0.610 0.623 .638	750 [511.1] 1.4175 1.4255 1.4342	1195.9 1203.7 1212.3	0.570 0.572 .586	800 [518.5] 1.4104 1.4117 1.4207	1194.4 1195.8 1204.6
510 520	0.733 .750	650 [495.2] 1.4330 1.4458 1.4542	1198.7	o.656 o.667 .682	700 [593.4] 1.4250 1.4309 1.4396	1197.4 1203.0 1211.5	0.610	750 [511.1] 1.4175 	1195.9	0.570	800 [518.5] 1.4104	1194.4
510 520 530 540 550	0.733 .750 .766 .781	650 [495.2] 1.4330 1.4458 1.4542 1.4622 1.4700	1198.7 1211.0 1219.1 1227.0 1234.8	0.656 0.667 .682 .697 .712	700 [503.4] 1.4250 1.4309 1.4396 1.4480 1.4561	1197.4 1203.0 1211.5 1219.7 1227.8	0.610 0.623 .638 .653	750 [511.1] 1.4175 1.4255 1.4342 1.4426	1195.9 1203.7 1212.3 1220.6	0.570 0.572 .586 .600	800 [518.5] 1.4104 1.4117 1.4207 1.4295	1194.4 1195.8 1204.6
510 520 530 540 550 560	0.733 .750 .766 .781 0.796	650 [495.2] 1.4330 1.4458 1.4542 1.4622 1.4700 1.4776 1.4850	1198.7 1211.0 1219.1 1227.0 1234.8 1242.5 1250.0	0.656 0.667 .682 .697 .712 0.727	700 [503-4] 1.4250 1.4309 1.4396 1.4480 1.4561 1.4640 1.4716	1197.4 1203.0 1211.5 1219.7 1227.8 1235.7 1243.5	0.610 0.623 .638 .653 0.667	750 [511.1] 1.4175 1.4255 1.4342 1.4426 1.4508 1.4587	1195.9 1203.7 1212.3 1220.6 1228.8 1236.9	0.570 0.572 .586 .600 0.614	800 [518.5] 1.4104 1.4117 1.4207 1.4295 1.4379 1.4461	1194.4 1195.8 1204.6 1213.3 1221.8 1230.2
510 520 530 540 550 560 570	0.733 .750 .766 .781 0.796 .811 .826	650 [495.2] 1.4330 1.4458 1.4542 1.4622 1.4700 1.4776 1.4850 1.4922	1198.7 1211.0 1219.1 1227.0 1234.8 1242.5 1250.0 1257.3	0.656 0.667 .682 .697 .712 0.727 .741 .756	700 [593-4] 1.4250 1.4399 1.4396 1.4480 1.4561 1.4640 1.4716 1.4791	1197.4 1203.0 1211.5 1219.7 1227.8 1235.7 1243.5 1251.1	0.610 0.623 .638 .653 0.667 .681	750 [SII.1] I.4175 I.4255 I.4342 I.4426 I.4508 I.4587 I.4664	1195.9 1203.7 1212.3 1220.6 1228.8 1236.9 1244.8	0.570 0.572 .586 .600 0.614 .628	800 [518.5] 1.4104 1.4117 1.4207 1.4295 1.4379 1.4461 1.4541	1194.4 1195.8 1204.6 1213.3 1221.8 1230.2 1238.3
510 520 530 540 550 560 570 580	0.733 .750 .766 .781 0.796	650 [495.2] 1.4330 1.4458 1.4542 1.4622 1.4700 1.4776 1.4850	1198.7 1211.0 1219.1 1227.0 1234.8 1242.5 1250.0	0.656 0.667 .682 .697 .712 0.727	700 [503-4] 1.4250 1.4309 1.4396 1.4480 1.4561 1.4640 1.4716	1197.4 1203.0 1211.5 1219.7 1227.8 1235.7 1243.5	0.610 0.623 .638 .653 0.667	750 [511.1] 1.4175 1.4255 1.4342 1.4426 1.4508 1.4587	1195.9 1203.7 1212.3 1220.6 1228.8 1236.9	0.570 0.572 .586 .600 0.614	800 [518.5] 1.4104 1.4117 1.4207 1.4295 1.4379 1.4461 1.4541 1.4541	1194.4 1195.8 1204.6 1213.3 1221.8 1230.2 1238.3 1246.4
510 520 530 540 560 560 570 580 590	0.733 .750 .766 .781 0.796 .811 .826 .840	650 [495.2] I.4330 I.4458 I.4542 I.4622 I.4760 I.4776 I.4850 I.4922 I.4992 I.506I	1198.7 1211.0 1219.1 1227.0 1234.8 1242.5 1250.0 1257.3 1264.6 1271.8	0.656 0.667 .682 .697 .712 0.727 .741 .756 .769 .783	700 [593-4] 1.4250 1.4399 1.4396 1.4480 1.4561 1.4640 1.4716 1.4791 1.4864 1.4934	1197.4 1203.0 1211.5 1219.7 1227.8 1235.7 1243.5 1251.1 1258.6 1266.0	0.610 0.623 .638 .653 0.667 .681 .695 .708	750 [SIL.1] 1.4175 1.4255 1.4342 1.4426 1.4508 1.4508 1.4564 1.4739 1.4812	1195.9 1203.7 1212.3 1220.6 1228.8 1236.9 1244.8 1252.6 1260.2	0.570 0.572 .586 .600 0.614 .628 .641 .654	800 [518.5] 1.4104 1.4117 1.4207 1.4295 1.4379 1.4461 1.4541 1.4618 1.4618	1194.4 1195.8 1204.6 1213.3 1221.8 1230.2 1238.3 1246.4
510 520 530 540 560 570 580 590	0.733 .750 .766 .781 0.796 .811 .826 .840 .854	650 [495.2] 1.4330 1.4458 1.4542 1.4622 1.4760 1.4776 1.4850 1.4992 1.5061	1198.7 1211.0 1219.1 1227.0 1234.8 1242.5 1250.0 1257.3 1264.6 1271.8	0.656 0.667 .682 .697 .712 0.727 .741 .756 .769 .783	700 [593.4] 1.4250 1.4396 1.4396 1.4561 1.4766 1.4716 1.4791 1.4864 1.4934	1197.4 1203.0 1211.5 1219.7 1227.8 1235.7 1243.5 1251.1 1258.6 1266.0	0.610 0.623 .638 .653 0.667 .681 .695 .708	750 [SIL.1] 1.4175 1.4255 1.4342 1.4426 1.4508 1.4508 1.4587 1.4664 1.4739 1.4812 1.4883	1195.9 1203.7 1212.3 1220.6 1228.8 1236.9 1244.8 1252.6 1260.2	0.570 0.572 .586 .600 0.614 .628 .641 .654 .667	800 [518.5] 1.4104 1.4207 1.4207 1.4295 1.4461 1.4541 1.4618 1.4694	1194.4 1195.8 1204.6 1213.3 1221.8 1230.2 1238.3 1246.4 1254.2
510 520 530 540 560 560 570 580 590 600 610	0.733 .750 .766 .781 0.796 .811 .826 .840 .854	650 [495-2] 1.4330 1.4458 1.4542 1.4622 1.4700 1.4776 1.4850 1.4992 1.5061 1.5128 1.5193	1198.7 1211.0 1219.1 1227.0 1234.8 1242.5 1250.0 1257.3 1264.6 1271.8 1278.8 1285.8	0.656 0.667 .682 .697 .712 0.727 .741 .756 .769 .783 0.796	700 [503.4] 1.4250 1.4309 1.4480 1.4561 1.4640 1.4716 1.4791 1.4864 1.4934 1.5003 1.5071	1197.4 1203.0 1211.5 1219.7 1227.8 1235.7 1243.5 1258.6 1266.0	0.610 0.623 .638 .653 0.667 .681 .695 .708 .721	750 [SILI] 1.4175 1.4255 1.4342 1.4426 1.4588 1.4587 1.4664 1.4739 1.4812 1.4883 1.4953	1195.9 1203.7 1212.3 1220.6 1228.8 1236.9 1244.8 1252.6 1260.2	0.570 0.572 .586 .600 0.614 .628 .641 .654 .667	800 [518.5] 1.4104 1.4117 1.4207 1.4295 1.4461 1.4541 1.4618 1.4694 1.4767 1.4839	1194.4 1195.8 1204.6 1213.3 1221.8 1230.2 1238.3 1246.4 1254.2
510 520 530 540 560 560 570 580 590 610 620	0.733 .750 .766 .781 0.796 .811 .826 .840 .854 0.868 .882	650 [495-2] 1.4330 1.4458 1.4542 1.4622 1.4776 1.4850 1.4922 1.4992 1.5061 1.5128 1.5193 1.5257	1198.7 1211.0 1219.1 1227.0 1234.8 1242.5 1250.0 1257.3 1264.6 1271.8	0.656 0.667 .682 .697 .712 0.727 .741 .756 .769 .783 0.796	700 [593.4] 1.4250 1.4396 1.4480 1.4561 1.4640 1.4716 1.4791 1.4864 1.4934 1.5003 1.5071 1.5137	1197.4 1203.0 1211.5 1219.7 1227.8 1235.7 1243.5 1258.6 1266.0	0.610 0.623 .638 .653 0.667 .681 .695 .708 .721 0.734 .746	750 [SILI] 1.4175 1.4255 1.4342 1.4426 1.4508 1.4587 1.4664 1.4739 1.4812 1.4883 1.4953 1.5020	1195.9 1203.7 1212.3 1220.6 1228.8 1236.9 1244.8 1252.6 1260.2	0.570 0.572 .586 .600 0.614 .628 .641 .654 .667	800 [518.5] 1.4104 1.4117 1.4207 1.4295 1.4379 1.4461 1.4541 1.4618 1.4694 1.4767 1.4839 1.4908	1194.4 1195.8 1204.6 1213.3 1221.8 1230.2 1238.3 1246.4 1254.2 1261.9 1269.5 1277.1
510 520 530 540 560 560 570 580 590 600 610	0.733 .750 .766 .781 0.796 .811 .826 .840 .854	650 [495-2] 1.4330 1.4458 1.4542 1.4622 1.4700 1.4776 1.4850 1.4992 1.5061 1.5128 1.5193	1198.7 1211.0 1219.1 1227.0 1234.8 1242.5 1250.0 1257.3 1264.6 1271.8 1278.8 1285.8 1292.6	0.656 0.667 .682 .697 .712 0.727 .741 .756 .769 .783 0.796	700 [503.4] 1.4250 1.4309 1.4480 1.4561 1.4640 1.4716 1.4791 1.4864 1.4934 1.5003 1.5071	1197.4 1203.0 1211.5 1219.7 1227.8 1235.7 1243.5 1258.6 1266.0	0.610 0.623 .638 .653 0.667 .681 .695 .708 .721	750 [SILI] 1.4175 1.4255 1.4342 1.4426 1.4588 1.4587 1.4664 1.4739 1.4812 1.4883 1.4953	1195.9 1203.7 1212.3 1220.6 1228.8 1236.9 1244.8 1252.6 1260.2	0.570 0.572 .586 .600 0.614 .628 .641 .654 .667	800 [518.5] 1.4104 1.4117 1.4207 1.4295 1.4461 1.4541 1.4618 1.4694 1.4767 1.4839	1194.4 1195.8 1204.6 1213.3 1221.8 1230.2 1238.3 1246.4 1254.2
510 520 530 540 550 560 570 580 590 610 620 630	0.733 .750 .766 .781 0.796 .811 .826 .840 .854 0.868 .882 .998 .921	650 [495.2] 1.4330 1.4458 1.4542 1.4622 1.4760 1.4850 1.4992 1.5061 1.5128 1.5193 1.5257 1.5320 1.5381	1198.7 1211.0 1219.1 1227.0 1234.8 1242.5 1257.3 1264.6 1271.8 1278.8 1285.8 1292.6 1299.4 1306.1	0.656 0.667 .682 .697 .712 0.727 .741 .756 .769 .783 0.796 .809 .822 .835 .847	700 [503.4] 1.4250 1.4396 1.4480 1.4561 1.4716 1.4791 1.4864 1.5003 1.5071 1.5137 1.5201 1.5264	1197.4 1203.0 1211.5 1219.7 1227.8 1235.7 1243.5 1251.1 1258.6 1266.0 1273.3 1280.5 1287.5 1294.5	0.610 0.623 .638 .653 0.667 .681 .695 .708 .721 0.734 .746 .759 .771 .783	750 [SIL.1] 1.4175 1.4255 1.4342 1.4426 1.4587 1.4664 1.4739 1.4812 1.4883 1.4953 1.5020 1.5086 1.5151	1195.9 1203.7 1212.3 1220.6 1228.8 1236.9 1244.8 1252.6 1260.2 1267.7 1275.1 1282.3 1289.5 1296.5	0.570 0.572 .586 .600 0.614 .628 .641 .654 .667 0.679 .691 .703 .715	800 [si8.s] 1.4104 1.4207 1.4207 1.4295 1.4461 1.4541 1.4618 1.4694 1.4767 1.4839 1.4908 1.4908 1.4976 1.5042	1194.4
510 520 530 540 560 570 580 590 610 620 630 640	0.733 .750 .766 .781 0.796 .811 .826 .840 .854 0.868 .882 .895 .908	650 [495.2] I.4330 I.4458 I.4542 I.4622 I.4760 I.4776 I.4850 I.4992 I.5061 I.5128 I.5128 I.5128 I.5128 I.5128 I.5128	1198.7 1211.0 1219.1 1227.0 1234.8 1242.5 1257.3 1264.6 1271.8 1278.8 1285.8 1292.6 1299.4	0.656 0.667 .682 .697 .712 0.727 .741 .756 .769 .783 0.796 .802 .835 .847	700 [593.4] 1.4250 1.4399 1.4396 1.4480 1.4716 1.4791 1.4864 1.4934 1.5003 1.5071 1.5201 1.5204	1197.4 1203.0 1211.5 1219.7 1227.8 1235.7 1243.5 1251.1 1258.6 1266.0	0.610 0.623 .638 .653 0.667 .681 .695 .708 .721 0.734 .746 .759 .771 .783	750 [SIL1] 1.4175 1.4255 1.4342 1.4426 1.4508 1.4508 1.4583 1.4739 1.4883 1.4953 1.5020 1.5086	1195.9 1203.7 1212.3 1220.6 1228.8 1236.9 1244.8 1252.6 1260.2 1267.7 1275.1 1282.3 1289.5	0.570 0.572 .586 .600 0.614 .624 .624 .667 0.679 .691	800 [518.5] 1.4104 1.4117 1.4207 1.4295 1.4379 1.4451 1.4618 1.4694 1.4767 1.4839 1.4908 1.4908 1.4908	1194.4 1195.8 1204.6 1213.3 1221.8 1230.2 1238.3 1246.4 1254.2 1261.9 1269.5 1277.1 1284.4
510 520 530 540 550 550 570 580 570 610 620 630 640 650 660 670	0.733 .750 .766 .781 0.796 .811 .826 .840 .854 0.868 .882 .998 .921	650 [495.2] 1.4330 1.4458 1.4542 1.4622 1.4760 1.4850 1.4922 1.5061 1.5128 1.5128 1.5257 1.5320 1.5320 1.5381	1198.7 1211.0 1219.1 1227.0 1234.8 1242.5 1250.0 1257.3 1264.6 1271.8 1278.8 1285.8 1292.6 1299.4 1306.1 1312.7 1319.2 1325.7	0.656 0.667 .682 .697 .712 0.727 .741 .756 .769 .783 0.796 .809 .829 .835 .847 0.860 .872 .884	700 [593.4] 1.4250 1.4396 1.4396 1.4480 1.4716 1.4791 1.4864 1.5003 1.5071 1.5137 1.5201 1.5201 1.5264	1197.4 1203.0 1211.5 1219.7 1227.8 1235.7 1243.5 1251.1 1258.6 1266.0 1273.3 1280.5 1287.5 1301.4 1308.2 1314.9 1321.5	0.610 0.623 .638 .653 0.667 .681 .695 .708 .721 0.734 .746 .759 .771 .783 0.795 .807 .818	750 [SIL.1] 1.4175 1.4255 1.4342 1.4426 1.4508 1.4587 1.4664 1.4739 1.4812 1.4883 1.5020 1.5086 1.5151 1.5214 1.5276 1.5336	1195.9 1203.7 1212.3 1220.6 1228.8 1236.9 1244.8 1252.6 1260.2 1267.7 1275.1 1282.3 1282.3 1296.5	0.570 0.572 .586 .600 0.614 .628 .641 .654 .667 0.679 .691 .703 .715 .727	800 [518.5] 1.4104 1.4117 1.4207 1.4295 1.4461 1.4541 1.4618 1.4694 1.4767 1.4839 1.4908 1.4976 1.5042	1194.4 1195.8 1204.6 1213.3 1221.8 1230.2 1238.3 1246.4 1254.2 1261.9 1269.5 1277.1 1284.4 1291.6
510 520 530 540 560 560 580 590 610 620 630 640 660 660 660 660 660 660 660 660 66	0.733 .750 .766 .781 0.796 .811 .826 .840 .854 0.868 .882 .908 .921 0.934 .947 .960 .972	650 [495.2] 1.4330 1.4458 1.4542 1.4622 1.4760 1.4850 1.4922 1.4992 1.5061 1.5128 1.5193 1.5257 1.5320 1.5320 1.5441 1.5441 1.5492 1.5557	1198.7 1211.0 1219.1 1227.0 1234.8 1242.5 1257.3 1264.6 1271.8 1278.8 1285.8 1292.6 1299.4 1306.1 1312.7 1319.2 1325.7 1319.2	0.656 0.667 .682 .697 .712 0.727 .741 .756 .769 .783 0.796 .809 .822 .835 .847 0.860 .872 .884 .896	700 [503.4] 1.4250 1.4396 1.4480 1.4561 1.4640 1.4716 1.4791 1.4864 1.5003 1.5071 1.5137 1.5264 1.5325 1.5385 1.53444 1.5502	1197.4 1203.0 1211.5 1219.7 1227.8 1235.7 1243.5 1251.1 1258.6 1266.0 1273.3 1280.5 1294.5 1301.4 1308.2 1314.9 1321.9 1328.1	0.610 0.623 .638 .653 0.667 .681 .695 .708 .721 0.734 .746 .759 .771 .783 0.795 .807 .818 .830	750 [SIL.1] 1.4175 1.4255 1.4342 1.4426 1.4587 1.4664 1.4739 1.4812 1.4883 1.4953 1.5026 1.5151 1.5214 1.5276 1.5336 1.5496	1195.9 1203.7 1212.3 1220.6 1228.8 1236.9 1244.8 1252.6 1260.2 1267.7 1275.1 1282.3 1289.5 1303.5 1310.4 1317.2	0.570 0.572 .586 .600 0.614 .628 .641 .654 .667 0.679 .691 .703 .715 .727 0.738 .749 .760 .771	800 [518.5] 1.4104 1.4207 1.4207 1.4229 1.4461 1.4541 1.4618 1.4694 1.4767 1.4839 1.4908 1.4908 1.5042 1.5107 1.5107 1.5232 1.5293	1194.4
510 520 530 540 550 550 570 580 590 610 620 630 640 660 670 680 690	0.733 .750 .766 .781 0.796 .811 .826 .840 .854 0.868 .882 .998 .921	650 [495.2] 1.4330 1.4458 1.4542 1.4622 1.4760 1.4850 1.4922 1.5061 1.5128 1.5128 1.5257 1.5320 1.5320 1.5381	1198.7 1211.0 1219.1 1227.0 1234.8 1242.5 1250.0 1257.3 1264.6 1271.8 1278.8 1285.8 1292.6 1299.4 1306.1 1312.7 1319.2 1325.7	0.656 0.667 .682 .697 .712 0.727 .741 .756 .769 .783 0.796 .809 .829 .835 .847 0.860 .872 .884	700 [593.4] 1.4250 1.4396 1.4396 1.4480 1.4716 1.4791 1.4864 1.5003 1.5071 1.5137 1.5201 1.5201 1.5264	1197.4 1203.0 1211.5 1219.7 1227.8 1235.7 1243.5 1251.1 1258.6 1266.0 1273.3 1280.5 1287.5 1301.4 1308.2 1314.9 1321.5	0.610 0.623 .638 .653 0.667 .681 .695 .708 .721 0.734 .746 .759 .771 .783 0.795 .807 .818 .830	750 [SIL.1] 1.4175 1.4255 1.4342 1.4426 1.4508 1.4587 1.4664 1.4739 1.4812 1.4883 1.5020 1.5086 1.5151 1.5214 1.5276 1.5336	1195.9 1203.7 1212.3 1220.6 1228.8 1236.9 1244.8 1252.6 1260.2 1267.7 1275.1 1282.3 1282.3 1296.5	0.570 0.572 .586 .600 0.614 .628 .641 .654 .667 0.679 .691 .703 .715 .727	800 [518.5] 1.4104 1.4207 1.4207 1.4295 1.4379 1.4461 1.4541 1.4618 1.4694 1.4767 1.4839 1.4906 1.4906 1.5042	1194.4
510 520 530 540 550 570 580 570 610 620 630 640 660 670 680 690	0.733 .750 .766 .781 0.796 .811 .826 .840 .854 0.868 .882 .998 .921 0.934 .947 .960 .972 .984	650 [495.2] I.4330 I.4458 I.4542 I.4622 I.4760 I.4976 I.4992 I.5061 I.5128 I.5128 I.5257 I.5320 I.5320 I.5441 I.5441 I.5469 I.5669	1198.7 1211.0 1219.1 1227.0 1234.8 1242.5 1250.0 1257.3 1264.6 1271.8 1278.8 1292.6 1292.6 1299.4 1306.1 1312.7 1319.2 1325.7 1338.5	0.656 0.667 0.682 0.697 0.712 0.727 0.741 0.756 0.769 0.822 0.835 0.796 0.860 0.872 0.860 0.872 0.860 0.919	700 [593.4] 1.4250 1.4396 1.4396 1.4480 1.4716 1.4791 1.4864 1.5003 1.5071 1.5137 1.5201 1.5264 1.5325 1.5385 1.53444 1.5502 1.5559 1.5559	1197.4 1203.0 1211.5 1219.7 1227.8 1235.7 1243.5 1251.1 1258.6 1266.0 1273.3 1280.5 1287.5 1301.4 1308.2 1314.9 1321.5 1328.1 1334.6	0.610 0.623 .638 .653 0.667 .681 .695 .708 .721 0.734 .746 .759 .771 .783 0.795 .807 .818 .830	750 [SIL.1] 1.4175 1.4255 1.4342 1.4426 1.4508 1.4587 1.4664 1.4739 1.4812 1.4883 1.5020 1.5086 1.5151 1.5214 1.5276 1.5336 1.5496 1.5454 1.5454	1195.9 1203.7 1212.3 1220.6 1228.8 1236.9 1244.8 1252.6 1260.2 1267.7 1275.1 1282.3 1289.5 1296.5	0.570 0.572 .586 .600 0.614 .628 .641 .654 .667 0.679 .691 .703 .715 .727 0.738 .749 .760 .771 .782	800 [518.5] 1.4104 1.4207 1.4207 1.4295 1.4379 1.4461 1.4541 1.4618 1.4694 1.4767 1.4839 1.4976 1.5042 1.5107 1.5232 1.5293 1.5293 1.5353	1194.4
510 520 530 540 560 570 580 590 610 630 640 660 660 670 680 690 750	0.733 .750 .766 .781 0.796 .811 .826 .840 .854 0.868 .882 .908 .921 0.934 .947 .960 .972 .984	650 [495.2] 1.4330 1.4458 1.4542 1.4622 1.4760 1.4850 1.4922 1.5061 1.5128 1.5193 1.5257 1.5320 1.5381 1.5441 1.5499 1.5557 1.5669 1.5724 1.5983	1198.7 1211.0 1219.1 1227.0 1234.8 1242.5 1250.0 1257.3 1264.6 1271.8 1278.8 1285.8 1292.6 1306.1 1312.7 1319.2 1325.7 1332.1 1338.5 1344.8 1375.6	0.656 0.667 0.682 0.697 0.712 0.727 0.741 0.756 0.769 0.783 0.796 0.809 0.822 0.835 0.847 0.860 0.872 0.884 0.896 0.908	700 [503.4] 1.4250 1.4396 1.4396 1.4480 1.4716 1.4716 1.4791 1.4864 1.5003 1.5071 1.5137 1.5204 1.5225 1.5385 1.5385 1.53444 1.5502 1.5559 1.5615 1.5615 1.5880	1197.4 1203.0 1211.5 1219.7 1227.8 1235.7 1243.5 1251.1 1258.6 1266.0 1273.3 1280.5 1287.5 1294.5 1304.9 1314.9 1324.6 1334.6	0.610 0.623 .638 .653 0.667 .681 .695 .708 .721 0.734 .746 .759 .771 .783 0.795 .807 .818 .830 .841 0.852	750 [SIL.1] 1.4175 1.4255 1.4342 1.4426 1.4508 1.4587 1.4664 1.4739 1.4812 1.4883 1.4953 1.5020 1.5086 1.5151 1.5214 1.5276 1.5336 1.5496 1.5454 1.5511 1.5211	1195.9 1203.7 1212.3 1220.6 1228.8 1236.9 1244.8 1252.6 1260.2 1267.7 1275.1 1282.3 1289.5 1303.5 1310.4 1317.2 1323.9 1330.6	0.570 0.572 .586 .600 0.614 .628 .641 .654 .667 0.679 .691 .703 .715 .727 0.738 .749 .760 .771 .782	800 [518.5] 1.4104 1.4207 1.4207 1.4229 1.4461 1.4541 1.4618 1.4694 1.4767 1.4839 1.4908 1.4908 1.5042 1.5107 1.5232 1.5233 1.5233 1.52411 1.5687	1194.4
510 520 530 540 560 570 580 590 610 620 630 640 650 680 690 700 750 800	0.733 .750 .766 .781 0.796 .811 .826 .840 .854 0.868 .882 .998 .921 0.934 .947 .967 .972 .984	650 [495.2] 1.4330 1.4458 1.4542 1.4622 1.4760 1.4850 1.4922 1.4992 1.5061 1.5128 1.5193 1.5257 1.5328 1.5381 1.5441 1.5469 1.5557 1.5669	1198.7 1211.0 1219.1 1227.0 1234.8 1242.5 1257.3 1264.6 1271.8 1278.8 1285.8 1292.6 1299.4 1306.1 1312.7 1319.2 1325.7 1319.2 1325.7 1375.6 1405.4	0.656 0.667 .682 .697 .712 0.727 .741 .756 .769 .809 .822 .835 .847 0.860 .872 .884 .896 .908	700 [503.4] 1.4250 1.4309 1.4396 1.4480 1.4716 1.4716 1.4791 1.4864 1.5003 1.5071 1.5201 1.5264 1.5325 1.5385 1.5444 1.5559 1.5559	1197.4 1203.0 1211.5 1219.7 1227.8 1235.7 1243.5 1251.1 1258.6 1266.0 1273.3 1280.5 1287.5 1294.5 1308.2 1314.9 1321.5 1328.1 1334.6 1341.0 1372.4 1402.7	0.610 0.623 .638 .653 0.667 .681 .695 .708 .721 0.734 .746 .759 .771 .783 0.795 .807 .818 .830 .841 0.852 .905 .956	750 [SIL.1] 1.4175 1.4255 1.4342 1.4426 1.4587 1.4664 1.4739 1.4812 1.4883 1.4953 1.5020 1.5020 1.5151 1.5214 1.5276 1.5496 1.5454 1.5454 1.5511 1.5781 1.5781 1.5781 1.5781 1.5781 1.5781 1.5781 1.5781 1.56031	1195.9 1203.7 1212.3 1220.6 1228.8 1236.9 1244.8 1252.6 1260.2 1267.7 1275.1 1289.5 1303.5 1310.4 1317.2 1323.9 1330.6	0.570 0.572 .586 .600 0.614 .628 .641 .654 .667 0.679 .691 .703 .7127 0.738 .749 .760 .771 .782	800 [518.5] 1.4104 1.4207 1.4207 1.4295 1.4379 1.4461 1.4541 1.4618 1.4694 1.4767 1.4839 1.4908 1.4976 1.5042 1.5107 1.5170 1.5232 1.5233 1.5241 1.5687 1.5941	1194.4
510 520 530 540 560 570 580 590 610 630 640 660 660 670 680 690 750	0.733 .750 .766 .781 0.796 .811 .826 .840 .854 0.868 .882 .908 .921 0.934 .947 .960 .972 .984	650 [495.2] 1.4330 1.4458 1.4542 1.4622 1.4760 1.4850 1.4922 1.5061 1.5128 1.5193 1.5257 1.5320 1.5381 1.5441 1.5499 1.5557 1.5669 1.5724 1.5983	1198.7 1211.0 1219.1 1227.0 1234.8 1242.5 1250.0 1257.3 1264.6 1271.8 1278.8 1285.8 1292.6 1306.1 1312.7 1319.2 1325.7 1332.1 1338.5 1344.8 1375.6	0.656 0.667 0.682 0.697 0.712 0.727 0.741 0.756 0.769 0.783 0.796 0.809 0.822 0.835 0.847 0.860 0.872 0.884 0.896 0.908	700 [503.4] 1.4250 1.4396 1.4396 1.4480 1.4716 1.4716 1.4791 1.4864 1.5003 1.5071 1.5137 1.5204 1.5225 1.5385 1.5385 1.53444 1.5502 1.5559 1.5615 1.5615 1.5880	1197.4 1203.0 1211.5 1219.7 1227.8 1235.7 1243.5 1251.1 1258.6 1266.0 1273.3 1280.5 1287.5 1294.5 1304.9 1314.9 1324.6 1334.6	0.610 0.623 .638 .653 0.667 .681 .695 .708 .721 0.734 .746 .759 .771 .783 0.795 .807 .818 .830 .841 0.852	750 [SIL.1] 1.4175 1.4255 1.4342 1.4426 1.4508 1.4587 1.4664 1.4739 1.4812 1.4883 1.4953 1.5020 1.5086 1.5151 1.5214 1.5276 1.5336 1.5496 1.5454 1.5511 1.5211	1195.9 1203.7 1212.3 1220.6 1228.8 1236.9 1244.8 1252.6 1260.2 1267.7 1275.1 1282.3 1289.5 1303.5 1310.4 1317.2 1323.9 1330.6	0.570 0.572 .586 .600 0.614 .628 .641 .654 .667 0.679 .691 .703 .715 .727 0.738 .749 .760 .771 .782	800 [518.5] 1.4104 1.4207 1.4207 1.4229 1.4461 1.4541 1.4618 1.4694 1.4767 1.4839 1.4908 1.4908 1.5042 1.5107 1.5232 1.5233 1.5233 1.52411 1.5687	1194.4
510 520 530 540 560 570 580 580 610 620 630 640 660 670 680 690 700 750 800 850	0.733 .750 .766 .781 0.796 .811 .826 .840 .854 0.868 .882 .995 .908 0.934 .947 .960 .972 .984 0.997 1.056 1.112 1.167	1.4458 1.4542 1.4622 1.4760 1.4850 1.4850 1.4952 1.4992 1.5061 1.5128 1.5128 1.5128 1.5257 1.5320 1.5381 1.5441 1.5499 1.5557 1.5669 1.5724 1.5983 1.6225 1.6452	1198.7 1211.0 1219.1 1227.0 1234.8 1242.5 1250.0 1257.3 1264.6 1271.8 1278.8 1285.8 1292.6 1299.4 1306.1 1312.7 1319.2 1325.7 1332.7 1338.5 1344.8 1375.6 1495.4 1495.4	0.656 0.667 0.682 .697 .712 0.727 .741 .756 .769 .783 0.796 .809 .822 .835 .847 0.860 .872 .884 .896 .908 0.919 0.975 1.029 1.080	700 [503.4] 1.4250 1.4309 1.4396 1.4480 1.4561 1.4640 1.4716 1.4791 1.4864 1.5003 1.5071 1.5137 1.5201 1.5264 1.5325 1.5385 1.5444 1.5502 1.5559 1.5615 1.5880 1.6125 1.6355	1197.4 1203.0 1211.5 1219.7 1227.8 1235.7 1243.5 12451.1 1258.6 1266.0 1273.3 1280.5 1287.5 1301.4 1308.2 1314.9 1321.5 1328.1 1334.6 1371.4 1402.7 1432.3	0.610 0.623 .638 .653 0.667 .681 .695 .708 .721 0.734 .746 .759 .771 .783 0.795 .807 .818 .830 .841 0.852 .956 1.005	750 [SILI] 1.4175 1.4255 1.4342 1.4426 1.4587 1.4664 1.4739 1.4812 1.4883 1.5020 1.5086 1.5151 1.5214 1.5276 1.53496 1.5454 1.55511 1.5781 1.5781 1.6031 1.6031 1.60364	1195.9 1203.7 1212.3 1220.6 1228.8 1236.9 1244.8 1252.6 1260.2 1267.7 1275.1 1282.3 1289.5 1303.5 1310.4 1317.2 1323.9 1330.6 1337.2 1369.2 1400.0 1430.0 1459.3	0.570 0.572 .586 .600 0.614 .628 .641 .654 .667 0.679 .691 .703 .715 .727 0.738 .749 .760 .771 .782 0.793 .844 .893 .939 .984	800 [518.5] 1.4104 1.4207 1.4207 1.42295 1.4461 1.4541 1.4618 1.4694 1.4767 1.4839 1.4908 1.5042 1.5107 1.5232 1.5232 1.5293 1.5233 1.5411 1.5687 1.5941 1.6177 1.6400	1194.4



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TABLE 4. BOILING POINTS
PRESSURES IN INCHES OF MERCURY

Temp. F.	.0	.1	.3	.3	.4	.5	.6	.7	.8	.9
190	19.01	19.05	19.09	19.13	19.18	19.22	19.26	19.30	19.34	19.38
191	19.42	19.47	19.51	19.55	19.59	19.63	19.67	19.72	19.76	19.80
192	19.84	19.88	19.93	19.97	20.01	20.05	20.10	20.14	20.18	20.22
193	20.27	20.31	20.35	20.40	20.44	20.48	20.53	20.57	20.61	20.66
194	20.70	20.74	20.79	20.83	20.88	20.92	20.96	21.01	21.05	21.10
195	21.14	. 21.19	21.23	21.28	21.32	21.37	21.41	21.46	21.50	21.55
196	21.59	21.64	21.68	21.73	21.77	21.82	21.86	21.91	21.96	22.00
197	22.05	22.09	22.14	22.19	22.23	22.28	22.33	22.37	22.42	22.47
198	22.51	22.56	22.61	22.65	22.70	22.75	22.80	22.84	22.89	22.94
199	22.99	23.03	23.08	23.13	23.18	23.23	23.27	23.32	23.37	23.42
200	23.47	23.52	23.56	23.61	23.66	23.71	23.76	23.81	23.86	23.91
201	23.96	24.00	24.05	24.10	24.15	24.20	24.25	24.30	24.35	24.40
202	24.45	24.50	24.55	24.60	24.66	24.71	24.76	24.81	24.86	24.91
203	24.96	25.01	25.06	25.11	25.16	25.22	25.27	25.32	25.37	25.42
204	25.47	25.53	25.58	25.63	25.68	25.74	25.79	25.84	25.89	25.95
205	26.00	26.05	26.10	26.16	26.21	26.26	26.32	26.37	26.42	26.48
206	26.53	26.59	26.64	26.69	26.75	26.80	26.86	26.91	26.96	27.02
207	27.07	27.13	27.18	27.24	27.29	27.35	27.40	27.46	27.51	27.57
208	27.62	27.68	27.74	27.79	27.85	27.90	27.96	28.02	28.07	28.13
209	28.18	28.24	28.30	28.35	28.41	28.47	28.53	28.58	28.64	28.70
210	28.75	28.81	28.87	28.93	28.99	29.04	29.10	29.16	29.22	29.28
211	29.33	29.39	29.45	29.51	29.57	29.63	29.69	29.75	29.80	29.86
212	29.92	29.98	30.04	30.10	30.16	30.22	30.28	30.34	30.40	30.46
213	30.52	30.58	30.64	30.70	30.76	30.82	30.88	30.94	31.00	31.06

TEMPERATURES, FAHRENHEIT

Pressure, in. of Hg.	.0	.1	.2	.8	.4	.5	.6	.7	.8	.9
20	192.37	192.61	192.84	193.08	193.31	193.54	193.77	194.00	194.23	194.46
21	194.68	194.91	195.13	195.35	195.58	195.80	196.02	196.24	196.46	196.68
22	196.90	197.12	197.33	197.54	197.76	197.97	198.19	198.40	198.61	198.82
23	199.03	199.24	199.45	199.66	199.86	200.07	200.27	200.48	200.69	200.89
24	201.09	201.29	201.49	201.69	201.89	202.09	202.29	202.49	202.69	202.88
25	203.08	203.28	203.47	203.66	203.86	204.05	204.24	204.43	204.62	204.81
26	205.00	205.19	205.38	205.57	205.76	205.94	206.13	206.31	206.50	206.69
27	206.87	207.05	207.23	207.41	207.60	207.78	207.96	208.14	208.32	208.49
28	208.67	208.85	209.03	209.20	209.38	209.56	209.73	209.91	210.08	210.25
29	210.43	210.60	210.77	210.94	211.11	211.28	211.45	211.62	211.79	211.96
30	212.13	212.30	212.47	212.63	212.80	212.97	213.13	213.30	213.46	213.63

Temp., F.	Sat. pres- sure, lb. per sq. in.	Volume, cu. ft. per lb.	Weight, lb. per cu. ft.	144 Apv'	Specific heat	Temp.,	Sat. pres- sure, lb. per sq. in.	Volume, cu. ft. per lb.	Weight, lb. per cu. ft.	144 Apv'	Specific heat.
20	0.050	0.01603	62.37	0.000	1.0210	370	173.2	0.01829	54.66	0.585	1.053
30	.081	.01602	62.42	.000	1.0104	380	195.6	.01843	54.25	.665	1.057
40	.122	.01602	62.43	.000	1.0048	390	220.1	.01857	53.84	.754	1.062
50	0.178	0.01602	62.42	0.001	1.0015	400	247	0.0187	53.42	0.855	1.067
60	.256	.01603	62.37	.001	0.9995	410	276	.0189	52.99	0.966	1.072
70	.363	.01605	62.30	.001	.9982	420	308	.0190	52.55	1.00	1.078
80	.507	.01607	62.22	.002	-9975	430	343	.0192	52.11	1.22	1.083
90	.698	.01610	62.11	.002	.9971	440	381	.0194	51.66	1.37	1.089
100	0.949	0.01613	62.00	0.003	0.9970	450	422	0.0195	51.2	1.53	1.095
110	1.274	.01616	61.86	.004	.9971	460	466	.0197	50.7	1.70	1.101
I 20	1.692	.01620	61.71	.005	.9974	470	514	.0199	50.2	1.89	1.107
130	2.221	.01625	61.55	.007	.9978	480	565	.0201	49.7	2.10	1.114
140	2.887	.01629	61.38	.009	.9984	490	620	.0203	49.2	2.33	1.121
150	3.716	0.01634	61.20	0.011	0.9990	500	679	0.0205	48.7	2.58	1.130
160	4.739	.01639	61.00	.014	0.9998	510	743	.0208	48.2	2.86	1.140
170	5.99	.01645	60.80	.019	1.0007	520	810	.0210	47.6	3.15	1.151
180	7.51	.01651	60.58	.024	1.0017	530	883	.0212	47.I	3.47	1.164
190	9.34	.01657	60.36	.030	1.0028	540	96ŏ	.0215	46.5	3.82	1.181
200	11.53	0.01663	60.12	0.036	1.0039	550	1043	0.0218	45.9	4.21	1.200
210	14.12	.01670	59.88	.044	1.0052	560	1131	.0221	45.2	4.62	1.222
220	17.19	.01677	59.63	.053	1.0068	570	1224	.0224	44.6	5.07	1.249
230	20.78	.01684	59-37	.064	1.0085	580	1323	.0227	44.0	5.57	1.281
240	24.97	.01692	59.11	.078	1.0104	590	1429	.0231	43.3	6.11	1.318
250	29.83	0.01700	58.83	0.094	1.0125	600	1540	0.0235	42.6	6.70	1.362
260	35.44	.01708	58.55	.112	1.0148	610	1659	.024	41.8	7.35	1.415
270	41.87	.01716	58.26	.133	1.0173	620	1784	.024	41.0	8.1	1.479
280	49.22	.01725	57.96	.157	1.020	630	1917	.025	40.2	8.8	1.559
290	57.57	.01735	57.65	.185	1.023	640	2057	.025	39.2	9.7	1.661
300	67.02	0.01745	57.32	0.217	1.026	650	2205	0.026	38.2	10.7	1.793
310	77.68	.01755	56.98	.254	1.029	660	2361	.027	37.2	11.8	
320	89.65	.01766	56.62	.295	1.033	670	2526	.028	36.0	13.0	
330	103.0	.01778	56.24	.341	1.036	68o	2699	.029	34.5	14.5	
340	118.0	.01790	55.85	.392	1.040	690	2882	.031	32.6	16.4	· · · · · ·
350	134.6	0.01803	55.46	0.449	1.044	700	3075	0.034	29.7	19.2	
360	153.0	.01816	55.06	.513	1.048	706.3	3200	.048	20.9	28.4	

Temp.,		Freshure of saturated vapor		Weight of sa	Weight of saturated vapor		Volume	Volume in cu. ft.	Heat content		+ Heat conten
-			per cu. ft.	. ft.	per lb. of dry air	dry air	of 1 lb. of dry	of 1 lb. of dry	in B.t.u. of 1 lb of dry air	Latent heat of vapor, B.t.u.	in B.t.u. of 1 lb. of dry air with
	In. of Hg.	Lo. per sq. m.	Pounds	Grains	Pounds	Grains	air	sur + vapor to saturate it			rate it
0	0.0275	0.0184	0.0000674	0.472	0.000781	5.47	11.48	11.60	0.0	0.064	0.064
	212	7020	97,000	622	0000	0.00	11.62	11.65	0.483	1.071	1 662
	7970	1000	0000833	923	290000	6.74	29	11.70	900	981	155
-	2110	25.00	500000	9,59	00100	1 47	11 72	24.11	977	1 213	25.0
- œ	.0567	.0279	1001000	.701	.001183	8.28	11.78	11.80	1.928	1.455	3.383
		:								})
2	0.0628	0.0308	0.0001103	0.772	0.001309	9.16	11.83	11.86	2.411	1.608	4.019
12	.0694	.0341	.000121	.850	.001447	10.13	11.88	16.11	2.893	1.776	4.669
14	.0766	.0376	.000134	.935	665100.	61.11	11.94	11.97	3.375	196.1	5.336
	9846	.0415	.000147	1.028	.001764	12.35	11.99	12.02	3.00	2.162	6.020
	.0932	.0458	191000.	1.128	946100.	13.62	12.04	12.08	4.340	2.383	6.723
-			1,000		77.000	;	8			9 6	4,4
2 :	72010	9000	//1000.0	1.23/	- 202144	15.51	5.5	12.13	4.023	2.023	7.440
23	.1130	.0555	461000	1.350	002300	7.07	12.14	12.19	5.305	2.005	9.19
24	.1242	0100.	.000212	1.405	.002590	10.17	12.19	12.24	5.767	3.170	8.957
200	.1305	0,00.	.000232	1.025	.002054	19.90	12.24	12.30	0.270	3.462	9.752
 82	.1499	.0736	.000254	1.776	.003134	21.94	12.29	12.35	6.752	3.821	10.573
 8	0.1646	0.0800	0.000278	1.943	. 0.003444	24.11	12.34	12.41	7.234	4.195	11.429
32	9081.	.0887	.000303	2.124	.003782	26.47	12.39	12.47	7.716	4.058	11.783
	.1880	.0923	.000315	3.206	.003938	27.57	12.41	12.49	96.2	4.22	12.18
34	.1957	1960.	.000327	2.292	.004100	28.70	12.44	12.52	8.20	4.40	12.60
	0.2026	0.1000	0.000340	2.380	0.004268	29.88	12.47	12.55	8.44	4.57	12.02
9	0110	1001	2000	2 471	207773	21,00	10 40	200	89	4	12.44
	6115.	1 %	2000	2,4/1	004622	22.25	12.49	13.51	800	2.4	12.84
780	2000	200	78.000	2.662	00,00	22.66	12 54	19.51	3.5	66.4	15.07
2 '		2	100000		Souther:	3.5	*	40.71	7	9.14	14.5
<u>.</u>	-2384	1711.	.000395	2.704	.005002	35.01	12.57	12.07	9.41	5.35	14.70
9	0.2478	0.1217	0.000410	2.868	0.005202	36.41	12.50	12.70	9.64	8.56	15.21
41	.2576	1266	.000425	2.976	.005410	37.87	12.62	12.73	9.80	2.78	15.67
42	.2678	1315	.000441	3.087	.005625	30.38	12.64	12.76	10.14	. 0.9 0.01	16.14
42	2782	.1367	.000457	3.201	848	40.03	12.67	12.70	10.28	6.24	16.62
3 4	1882.	.1420	.000474	3.319	820000	42.55	12.69	12.82	10.62	6.48	17.10

Temp.				Weight of sat	Weight of saturated vapor		Volume	Volume in cu. ft.	Heat content		. Heat content
	In of Ha	i comment	ber c	cu. ft.	per lb. o	per lb. of dry air	of 1 lb. of dry	of 1 lb. of dry	in B.t.u. of 1 lb	Latent heat of vapor, B.t.u.	in B.t.u. of 1 lb. of dry air with vapor to satu-
		or be ad m	Pounds	Grains	Pounds	Grains					rate it
3	0.3003	0.1475	0.000492	3.442	0.00632	44.21	12.72	12.85	10.86	6.73	17.59
46	.3120	.1532	015000.	3.568	.00656	45.94	12.74	12.88	11.10	6.9	18.09
47	.3240	1591	.000528	3.698	.00682	47.73	12.77	12.91	11.34	7.26	18.60
&	.3364	.1652	.000547	3.832	.00708	49.58	12.79	12.94	11.58	7.54	19.12
64	.3492	.1715	.000567	3.970	.00736	51.49	12.82	12.97	11.83	7.83	19.65
S	1090	6011	00,000			;	. 6		;	9	-
3 :	0.3024	0.1700	0.000588	4.113	0.00704	53.47	12.04	13.00	12.07	0.12	20.19
7.	.3/01	0401	600000	4.200	.00793	55.52	12.07	13.03	12.31	0.43	20.74
7, 5	5963 6963	7161.	.000030	4.411	.00023	57.04	12.09	13.07	12.55	0.75	21.30
32	2007	2063	20003	4.500	2883	59.03	12.92	13.10	12.79	9.5	22.45
<u> </u>	}	?	2/2000	4:173	/2000	6		23:53	?	1	Ct
28	0.4356	0.2140	0.000699	4.895	0.00030	64.43	12.97	13.16	13.28	9.76	23.04
26	.4517	6122.	.000724	5.066	55600.	66.85	13.00	13.20	13.52	10.13	23.64
57	.4684	.2300	.000749	5.242	16600.	69.35	13.02	13.23	13.76	10.50	24.25
88	.4855	. 2384	.000775	5.424	.01028	71.93	13.05	13.26	14.00	10.89	24.88
29	.5032	.2471	.000802	5.611	99010.	74.60	13.07	13.30	14.24	11.28	25.52
8	0.6214	0.2567	0.8000	824	0.0170		12.10	12 22	87.72	11 60	% ye
19	5402	2654	828000	200	01146	25	13.12	12.25	14.72	12.12	26.84
62	5597	2740	.000887	6.208	98110.	83.2	13.15	13.40	14.97	12.46	27.52
63	8625.	.2848	716000.	6.418	.01231	86.2	13.17	13.43	15.21	13.01	28.22
4	.6005	.2949	.000948	6.633	.01276	89.3	13.20	13.47	15.45	13.48	28.93
2	0.6218	0.3054	0.000979	6.855	0.01323	93.6	13.22	13.50	15.69	13.96	29.65
99	.6438	.3162	210100.	7.084	.01370	95.9	13.25	13.54	15.93	14.46	30.39
29	.6664	.3273	920100.	7.320	.01420	4.66	13.27	13.58	16.18	14.97	31.15
89	8689.	.3388	080100.	7.563	.01471	103.0	13.30	13.61	16.42	15.50	31.92
\$.7139	.3506	911100.	7.813	.01524	106.6	13.32	13.65	16.66	16.05	32.71
2	0.7386	0.3628	0.001153	8.063	0.01578	110.6	13.15	13.69	00'91	16.61	33.51
7.1	.7642	.3754	001100	8.112	,o1624	114.4	13.30	12.72	17.14	17.10	24.33
73	906/	3883	001220	8.603	.01692	118.4	13.40	13.76	17.38	17.79	35.17
73	.8177	.4016	.001269	8.882	.01751	122.6	13.43	13.80	17.63	18.41	36.03
74	91.0			09-0			2		. !		3

. Values in this column do not include the heat of the liquid.

		Latent heat of vapor, B.t.u.		19.71	20.38	21.08	21.80	22.55	_
	Heat content	in B.t.u. of 1 lb of dry air	above of F.	18.11	18.35	18.59	18.84	19.08	
ER VAPOR	Volume in cu. ft.	of 1 lb. of dry	saturate it	13.88	13.92	13.96	14.00	14.05	
ATED WAT	Volume	of 1 lb. of dry	ria	13.48	13.50	13.53	13.55	13.58	
ND SATUR		dry air	Grains	131.4	135.9	,140.7	145.6	150.6	
OF AIR A	saturated vapor	per lb. of dry air	Pounds	0.01877	.01942	.02010	.02080	.02152	
TABLE 6. MIXTURES OF AIR AND SATURATED WATER VAPOR	Weight of saturated vapor	ı. ft.	Grains	9.46	9.76	10.01	10.39	10.72	
TABLE 6.		per cu. ft.	Pounds	0.001352	.001395	.001439	.001485	.001532	
	urated vapor	.:	TO ber ad m	0.4295	.4440	.4590	.4744	.4903	
	Pressure of saturated vapor	7 d U.	10.01	0.8744	.9040	-9345	.9658	1866.	
		ė.			ۅ	- '7	<u>∞</u>	<u>.</u>	_

Langer of the control of the contr		Pressure of sa	Pressure of saturated vapor		Weight of sat	Weight of saturated vapor		Volume in cu. ft.	n cu. ft.	Heat content		· Heat content
Control	Temp., F.	To of Ha	: :	ber co	ı. ft.	per lb. of	dry air	of 1 lb. of dry	of 1 lb. of dry	in B.t.u. of 1 lb of dry air	Latent heat of vapor, B.t.u.	of dry air with
0.8/44 0.4935 9.46 0.01877 131.4 13.48 18.11 19.71 1944 0.02336 1.97 0.0342 135.9 13.59 13.59 18.39 18.35 1945 4.494 0.001483 10.73 0.0016 146.5 13.53 14.00 18.84 21.85 1958 4.744 0.001483 10.73 0.0020 146.5 13.56 14.00 19.32 20.38 1.0556 5.34 0.00180 11.00 0.0020 11.00 0.0020 14.56 14.00 19.32 20.31 1.0556 5.34 0.00180 11.00 0.0020 14.56 13.58 14.10 19.32 24.31 1.174 5.767 0.00180 11.26 0.0231 172.4 13.66 14.10 19.32 24.31 1.174 5.767 0.00180 11.28 0.0231 172.4 13.66 14.10 13.34 1.174 5.767 0.00181 14.28<		5	· · · · · · · · · · · · · · · · · · ·	Pounds	Grains	Pounds	Grains	ia	saturate it	above of F.		nate it
9940 4440 con1335 9.76 con942 13.59 13.50 13.92 13.96 18.59 10.03 con449 con1335 9.76 con943 13.59 13.50 1	75	0.8744	0.4295	0.001352	9.46	0.01877	131.4	13.48	13.88	18.11	16.61	37.81
1,0014	92	.9040	.4440	.001395	9.76	.01942	135.9	13.50	13.92	18.35	20.38	38.73
9656 4744 001485 10.39 02280 145.6 13.55 14.00 18.84 21.80 1.0314 0493 001532 10.72 022152 15.05 14.05 14.05 19.06 22.55 1.0314 020169 11.06 0.22156 151.2 13.65 14.13 19.56 24.13 1.0565 020169 11.10 0.2233 151.2 13.65 14.13 19.56 24.13 1.1370 02153 02153 11.12 02451 17.24 13.68 14.12 20.29 14.42 20.04 24.92 1.1371 02955 0201841 12.20 02451 17.24 13.68 14.25 20.29 25.55 1.1372 02955 0201841 12.20 02451 17.24 13.68 14.42 20.29 25.55 1.1374 021955 0201841 12.20 02351 19.00 13.75 14.40 20.29 25.55 1.1374 020195 11.289 020254 18.44 13.73 14.41 20.23 20.29 25.55 1.1374 05951 020201 12.41 02020 02010 12.49 13.88 14.40 20.29 21.25 1.1374 05971 020201 12.41 02020	11	-9345	.4590	.001439	10.07	.02010	, I40.7	13.53	13.96	18.59	21.08	39.67
1.0914	78	.9658	.4744	.001485	10.39	.02080	145.6	13.55	14.00	18.84	21.80	40.64
1.0914 0.5066 0.0001980 11.06 0.022266 155.8 15.60 14.09 19.35 14.11 19.56 14.11 19.56 14.11 19.56 11.140 0.02381 11.140 0.02381 11.140 0.02381 11.140 0.02381 11.140 0.02381 11.140 0.0248	79	1866.	.4903	.001532	10.72	.02152	150.6	13.58	14.05	19.08	22.55	41.63
1.0056	8	1.0314	0.5066	0.001580	90'11'	0.02226	155.8	13.60	14.09	19.32	23.31	42.64
1.1008	81	1.0656	.5234	.001629	11.40	.02303	161.2	13.63	14.13	19.56	24.11	43.67
1.1370	82	1.1008	.5406	089100.	92.11	.02381	166.7	13.65	14.17	19.80	24.92	44.72
1.774 .5767 .001786 12.50 .02547 178.3 13.70 14.26 20.29 26.62 1.212 0.5953 0.001841 12.89 0.02554 154.4 13.73 14.31 20.53 27.51 1.231 .6148 .001897 13.38 .02723 190.6 13.78 14.40 21.01 29.38 1.334 .6551 .002015 14.53 .02508 20.77 13.80 14.45 21.25 21.77 1.334 .02021 14.10 .02021 14.53 .02020 27.6 13.88 14.50 21.25 21.74 1.377 .0567 .002021 15.41 .02313 224.9 13.88 14.50 21.28 1.560 .7700 .002021 15.87 .03202 224.9 13.91 14.65 1.560 .7701 .00221 15.87 .03202 224.9 13.91 14.65 1.560 .7901 .00221 15.87 .03544 247.1 13.95 14.75 22.25 34.59 1.560 .7901 .00224 16.82 .03544 247.1 13.96 14.75 22.25 1.503 .00262 18.82 .00362 27.6 14.97 22.25 23.77 41.88 1.504 .002037 18.82 .00405 27.5 14.06 14.97 23.45 1.914 .9204 .002037 22.45 .00446 31.2 44.40 44.65 1.915 .00702 .003021 21.15 .00446 31.2 44.10 15.20 24.88 49.07 1.0072 .003021 21.15 .00489 23.17 14.11 15.20 24.88 49.07 2.051 .10072 .003037 22.36 .00446 .31.2 .41.10 15.30 24.88 49.07 2.051 .10072 .003037 22.36 .00489 .31.4 .41.10 15.30 24.88 49.07 2.051 .10072 .003037 22.36 .00489 .32.37 .41.10 .52.80 .44.60 2.051 .10072 .003037 22.36 .00489 .32.37 .41.10 .52.80 .44.60 2.051 .10072 .003037 .22.36 .00489 .32.37 .41.11 .52.80 .24.60 2.051 .10072 .22.36 .00499 .22.36 .24.88 .40.00 2.051 .10072 .22.36 .00499 .22.36 .00499 .22.36 .24.88 .22.30 2.051 .10072 .22.36 .00499 .22.37 .41.11 .22.30 .24.60 2.051 .10072 .22.36 .00499 .22.37 .42.10 .44.60 .22.30 2.051 .10072 .22.36 .00499 .22.37 .42.10 .44.60 .22.30 2.051 .10072 .22.36 .00499 .22.37 .42.10 .44.60 .22.32 .44.	83	1.1370	.5584	.001732	12.12	.02463	172.4	13.68	14.22	20.04	25.76	45.80
1.212 0.5955 0.001841 12.89 0.02534 184.4 13.73 14.31 20.53 27.51 1.251	æ e	1.174	.5767	98/100	12.50	.02547	178.3	13.70	14.26	20.29	26.62	46.91
1.251	8	1,212	0 6066	1841	12.80	0.02624	. 1844	12.72	17 21	20.63	13.76	48.04
1.334	8	1 26 1	2000	201807	12.00	10000	9 001	27.57	10.41	5.00		70 %
1.374	8 &	1 202	6347	750100	13.68	22/20	193.0	13.73	14:33	7 5	200	19:40
1,377	8	1.224	940	000014	14.10	02013	202.7	2.5	74.47	20.10	20.35	19.13
1.421 0.6977 0.002137 14.96 0.03109 217,6 13.86 14.56 21.74 32.39 1.466 .7200 .002267 15.41 .03132 224.9 13.88 14.60 21.74 33.39 1.560 .7200 .002267 15.87 .03320 232.4 13.91 14.65 22.22 34.59 1.560 .7700 .002403 16.82 .03430 240.1 13.96 14.70 22.46 35.69 1.569 .7860 .002403 16.82 .03564 247.1 13.96 14.75 22.71 36.86 1.569 .8401 .002403 16.82 .03783 266.3 14.01 14.75 22.71 36.86 1.710 .8401 .00244 17.32 0.03663 256.3 14.01 14.88 14.03 14.91 23.19 36.86 1.781 .0302 18.35 .03783 264.8 14.01 14.91 23.43 40.57	3 &	1.377	.6761	.002075	14.53	.03008	210.6	13.83	14.50	21.50	31.36	52.86
1.421 0.6977 0.002137 14.96 0.03109 217.6 13.86 14.55 21.74 32.39 1.466 .7200 .002201 15.41 .0313 224.9 13.88 14.60 21.98 33.46 1.550 .7200 .002267 15.87 .03320 232.4 13.93 14.65 22.22 34.59 1.560 .7901 .002267 16.82 .03401 13.93 14.70 22.46 35.69 1.659 .02448 .002474 17.32 0.03662 256.3 13.96 14.75 22.71 36.86 1.751 .8401 .002474 17.32 0.03662 264.8 14.01 14.86 22.71 36.86 1.753 .02546 17.82 .03783 264.8 14.01 14.96 23.19 40.57 1.518 .9264 .002621 18.88 .04036 282.5 14.03 14.91 23.41 44.63 1.874 .02486 .0)	,		1	
1.40b .7200 .002201 15.41 .0313 224.9 13.88 14.60 21.98 33.46 1.512 .7427 .002267 15.87 .03320 232.4 13.91 14.65 22.22 34.59 1.500 .7901 .002334 16.82 .03430 240.1 13.93 14.70 22.46 35.69 1.609 .7901 .002403 16.82 .03544 247.1 13.96 14.75 22.71 36.86 1.659 .0.8148 0.002474 17.32 0.03662 256.3 14.96 14.75 22.71 36.86 1.710 .8401 .002466 17.82 .03783 264.8 14.91 22.95 38.06 1.753 .08264 17.82 .03783 264.8 14.91 23.19 40.57 1.818 .08262 19.88 .04036 287.5 14.93 23.67 41.88 1.874 .02248 19.42 .04169 291.8 14.9	8	1.421	0.6977	0.002137	14.96	0.03109	217.6	13.86	14.55	21.74	32.39	54.13
1.512 .7427 .002267 15.87 .03320 232.4 13.91 14.65 22.22 34.59 1.560 .7660 .002334 16.34 .03430 240.1 13.93 14.70 22.46 35.69 1.699 .7901 .002403 16.82 .03544 247.1 13.96 14.80 22.95 36.69 1.710 .8401 .002474 17.32 0.03662 256.3 13.96 14.80 22.97 36.86 1.710 .8401 .002474 17.82 .03783 264.8 14.01 14.86 22.97 36.86 1.818 .8862 .002697 18.88 .04469 292.5 14.97 23.43 40.57 1.874 .9204 .002697 19.42 .04169 291.8 14.97 23.91 44.63 1.990 .002485 19.42 .04469 311.2 14.14 15.02 24.40 46.07 2.051 1.090 .09337 21.75	16	1.460	.7200	.002200	15.41	.03213	224.9	13.88	14.60	21.98	33.46	55.44
1.560 .7660 .002334 16.34 .03430 240.1 13.93 14.70 22.46 35.69 1.609 .7901 .002403 16.82 .03544 247.1 13.96 14.70 22.45 35.69 1.609 .7901 .002404 17.32 0.03662 256.3 13.96 14.86 22.95 38.06 1.710 .8401 .002404 17.82 0.3783 264.8 14.01 14.86 22.19 36.86 1.710 .8662 .002646 17.82 0.3783 24.8 14.01 14.86 23.19 39.30 1.710 .8862 .002697 18.88 .0469 29.25 14.97 23.67 41.88 1.874 .9204 .002775 19.42 .04169 291.8 14.05 15.02 24.16 44.63 1.931 .00337 .00237 20.56 .004305 301.3 14.16 15.02 24.40 46.07 2.051 1.0376<	92	1.512	.7427	.002267	15.87	.03320	232.4	13.91	14.65	22.22	34.59	56.78
1.659 .7901 .002403 16.82 .03544 247.1 13.96 14.75 22.71 36.86 1.659 0.8148 0.002474 17.32 0.03663 256.3 13.96 14.80 22.95 38.06 1.710 .8401 .002546 17.82 0.3783 264.8 14.01 14.86 23.19 39.30 1.710 .8401 .002546 17.82 0.376 273.6 14.01 14.86 23.19 39.30 1.710 .8662 .002547 18.88 .04036 273.6 14.01 23.43 40.57 1.818 .002697 18.88 .04036 291.8 14.06 15.02 23.67 41.88 1.93 .002486 .002775 19.42 .04169 291.3 14.11 15.02 24.16 46.07 1.99 .002377 20.56 .0446 311.2 14.16 15.14 47.54 46.07 2.051 1.0376 .003102 21.	93	1.560	.7660	.002334	16.34	.03430	240.1	13.93	14.70	22.46	35.69	58.15
1.659 0.8148 0.002474 17.32 0.03662 256.3 13.98 14.80 22.95 38.06 1.710 .8401 .002546 17.82 .03783 254.8 14.01 14.86 23.19 39.30 1.763 .8662 .002631 18.35 .03908 273.6 14.01 14.91 23.43 40.57 1.818 .002697 18.88 .04036 282.5 14.06 14.97 23.67 41.88 1.874 .9204 .002775 19.42 .04169 291.8 14.05 15.02 23.91 44.63 1.990 .002977 20.56 .04446 311.2 14.11 15.08 24.16 46.07 2.051 1.090 .003037 21.75 .04446 311.2 14.14 15.14 24.40 46.07 2.051 .003107 21.75 .04451 311.2 14.16 15.26 24.64 47.54 2.176 .003107 22.36 .0	\$	1.609	1067.	.002403	16.82	.03544	247.1	13.96	14.75	22.71	36.86	59.50
1.710 .8401 .002546 17.82 .03783 264.8 14.01 14.86 23.19 39.30 1.763 .8662 .002621 18.35 .03783 273.6 14.01 14.86 23.19 39.30 1.818 .002637 18.88 .04036 282.5 14.05 14.97 23.67 41.88 1.874 .9204 .002775 19.42 .04169 291.8 14.05 15.02 23.67 41.88 1.931 0.9486 0.002855 19.42 .04469 311.2 14.11 15.02 24.16 46.07 2.051 1.090 .02377 20.56 .0446 311.2 14.16 15.14 47.54 2.051 1.0376 .003021 21.75 .04441 14.16 15.20 24.88 49.07 2.176 1.0689 .003195 22.36 342.7 14.21 15.33 25.13 50.64	98	1.659	0.8148	0.002474	17.32	0.03662	256.3	13.98	14.80	22.05	38.06	61.01
1.763 .8662 .002621 18.35 .03908 273.6 14.03 14.91 23.43 40.57 1.818 .929 .002697 18.88 .04036 282.5 14.06 14.97 23.67 41.88 1.874 .9204 .002775 19.42 .04169 291.8 14.05 15.02 23.91 43.24 1.931 0.9486 0.002855 19.98 0.04305 301.3 14.14 15.08 24.16 46.07 2.051 1.097 .002937 20.56 .04446 311.2 14.14 15.14 24.40 46.07 2.051 1.0072 21.75 .04741 331.9 14.16 15.20 24.64 47.54 2.176 1.0089 .003107 21.75 .04741 331.9 14.19 15.30 24.88 49.07 2.176 1.0089 .003107 22.36 .04895 342.7 14.21 15.33 25.13 50.64	96	1.710	.84oI	.002546	17.82	.03783	264.8	14.01	14.86	23.19	39.30	62.48
1.818 .8929 .002697 18.88 .04036 282.5 14.06 14.97 23.67 41.88 1.874 .9204 .002775 19.42 .04169 291.8 14.06 15.02 23.91 43.24 1.931 0.9486 0.002855 19.98 0.04305 301.3 14.11 15.08 24.16 44.63 1.990 0.9775 .002937 20.56 .04446 311.2 14.14 15.14 24.40 46.07 2.051 1.0073 21.75 .04291 321.4 14.16 15.20 24.64 47.54 2.176 1.0089 .003107 21.75 .04741 331.9 14.19 15.26 24.88 49.07 2.176 1.0089 .003105 22.36 .04895 342.7 14.21 15.33 25.13 50.64	6	1.763	.8662	.002621	18.35	93908	273.6	14.03	14.91	23.43	40.57	64.00
1.874 .9204 .002775 19.42 .04169 291.8 14.08 15.02 23.91 43.24 1.931 0.9486 0.002855 19.98 0.04305 301.3 14.11 15.08 24.16 44.63 1.990 0.9775 .002937 20.56 .04446 311.2 14.14 15.14 24.64 47.54 2.051 1.0072 .003021 21.15 .04461 321.4 14.16 15.20 24.64 47.54 2.175 .003107 21.75 .04741 331.9 14.19 15.26 24.88 49.07 2.176 1.0089 .003195 22.36 .04895 342.7 14.21 15.33 25.13 50.64	%	1.818	.8929	.002697	18.88	.04036	282.5	14.06	14.97	23.67	41.88	65.55
1.931 0.9486 0.002855 19.98 0.04405 301.3 14.11 15.08 24.16 44.63 1.990 0.9775 .002937 20.56 .04446 311.2 14.14 15.14 24.40 46.07 2.051 1.097 .003021 21.15 .04591 321.4 14.16 15.20 24.64 47.54 2.113 1.0376 .003107 21.75 .04741 331.9 14.19 15.26 24.88 49.07 2.176 1.0689 .003195 22.36 .04895 342.7 14.21 15.33 25.13 50.64	\$	1.874	.9204	.002775	19.42	.04169	291.8	14.08	15.02	23.91	43.24	67.15
1.990 0.9775 .002937 20.56 .00446 311.2 14.14 15.14 24.40 46.07 2.051 1.0072 .003021 21.15 .04591 321.4 14.16 15.20 24.64 47.54 2.113 1.0376 .003107 21.75 .04741 331.9 14.19 15.26 24.88 49.07 2.176 1.0089 .003195 22.36 .04895 342.7 14.21 15.33 25.13 50.64	100	1.931	0.0486	0.002855	19.98	0.04305	301.3	14.11	15.08	24.16	. 44.63	68.79
2.051 1.0072 .003021 21.15 .04591 321.4 14.16 15.20 24.64 47.54 2.113 1.0376 .003107 21.75 .04741 331.9 14.19 15.26 24.88 49.07 2.176 1.0689 .003195 22.36 .04895 342.7 14.21 15.33 25.13 50.64	101	1.990	0.9775	.002937	20.56	.04446	311.2	14.14	15.14	24.40	46.07	70.47
2.113 1.0376 .003107 21.75 .04741 331.9 14.19 15.26 24.88 49.07 2.176 1.0689 .003195 22.36 .04895 342.7 14.21 15.33 25.13 50.64	102	2.051	1.0072	.003021	21.15	.04591	321.4	14.16	15.20	24.64	47.54	72.18
2.176 1.0689 .003195 22.36 .04895 342.7 14.21 15.33 25.13 50.64	103	2.113	1.0376	.003107	21.75	.04741	331.9	14.19	15.26	24.88	49.07	73.95
	104	2.176	1.0689	.003195	22.36	.04895	342.7	14.21	15.33	25.13	50.64	75.77

· Values in this column do not include the heat of the liquid.

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Temp. F.		reseme or saturated vapor		weignt of say	Weight of Saturated Vapor		Nolume	Volume in cu. ft.	Heat content		Heat content
	1 10 m		perc	per cu. ft.	per lb. of dry air	dry air	of 1 lb. of dry	of 1 lb. of dry	in B.t.u. of 1 lb of dry air	Latent heat of vapor, B.t.u.	of dry air with
	. OF 118	ro. per sq. m.	Pounds	Grains	Pounds	Grains	air	saturate it	above o' F.		rate it
105	2.241	1.1010	0.003285	22.99	0.0505	354	14.24	15.39	25.37	52.26	77.63
901	2.308	1.134	.003377	23.64	.0522	365	14.26	15.46	25.61	53.92	79.53
107	2.377	1.168	.003472	24.30	.0539	377	14.29	15.52	25.85	55.64	81.49
80 80	2.448	1.202	.003568	24.98	.0556	389	14.31	15.59	56.09	57.41	83.50
601	2.520	1.238	.003667	25.67	.0574	402	14.34	15.66	26.33	59.23	85.57
110	2.504	1.274	0.001769	26.38	0.0593	415	14.36	15.73	26.58	61.11	87.69
111	2.670	1.311	.003873	27.11	.0612	428	14.39	15.80	26.82	63.04	89.86
112	2.748	1.350	926500.	27.85	.0631	445	14.41	15-87	27.06	65.04	92.10
113	2.827	1.389	.004087	28.61	.0652	456	14.44	15.95	27.30	67.10	94.40
114	2.909	1.429	861400.	29.39	.0673	471	14.46	16.02	27.55	69.22	96.77
116	. 2.993	1.470	0.004312	30.18	0.0694	486	14.49	16.10	27.79	71.40	99.10
911	3.079	1.512	.004428	31.00	7170.	202	14.52	16.18	28.03	73.65	101.68
117	3.167	1.555	.004547	31.83	0739	\$18	14.54	16.26	28.27	75.97	104.24
118	3.257	1.600	.004669	32.68	.0763	534	14.57	16.35	28.51	78.36	106.87
-611	3.349	1.645	.004793	33-55	.0788	551	14.59	16.43	28.76	80.80	109.56
08T	3.444	1.692	0.004920	34.44	0.0813	695	14.62	16.52	29.00	83.37	112.37
125	3.952	1.941	.005599	39.19	.0953	667	14.75	16.99	30.21	97.33	127.54
130	4.523	2.221	.006356	44.49	4111.	780	14.88	17.53	31.42	113.64	145.00
135	5.163	2.536	761700.	50.38	.1305	913	15.00	18.13	32.63	132.71	165.34
140	5.878	2.887	.008130	56.91	.1532	1072	15.13	18.84	33.85	155.37	189.22
146	6.677	3.280	91000.0	64.1	0.1800	1260	15.26	19.64	35.06	182.05	217.1
150	7.566	3.716	01030	72.1	.2122	1485	15.30	20.60	36.27	214.03	250.3
155	8.554	4.201	95110.	8.0	.2511	1758	15.52	21.73	37.48	252.61	290.1
8	9.649	4.739	.01294	9.06	7862.	2091	15.64	23.09	38.69	299.55	338.2
165	10.860	5.334	.01445	101.1	.3577	2504	15.77	24.75	39.9I	357.75	397.7
13	12.20	2.990	0.01611	112.8	0.4324	:	15.90	26.84	41.12	431.2	472.3
175	13.67	6.71	.01793	125.5	.5200	:	16.03	29.51	42.33	526.0	568.3
8	15.29	7.51	16610.	139.4	.6577	:	16.16	33.04	43.55	6.159	695.5
185	17.07	8.38	.02206	154.4	.8359	:	16.28	37.89	44.76	826.1	870.9
61	19.01	9.34	.02441	170.9	1.0985	:	16.41	45.00	45.97	1082.3	1128.3
8	23.46	11.53	0.02072	208.0	2.2062		16 67	77.24	48.40	2247.5	2296

. Values in this column do not include the heat of the liquid.

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•		77-1	W-:	Heat or in B.			t heat			Entropy.	
Pressure, lb.	Temp.,	Volume, cu. ft. per lb.	Weight, lb. per cu. ft.	of liquid	of vapor	of va- poriza- tion	Inter- nal	Energy of vapor B.t.u.	of liquid	of vapor- ization	of vapor
P	t	▼*	1/\	ğ	i'	Hr	P	u"	8'	r/T	8'
1	-103.7	225.0	0.0044			644.6	603.0			1.8107	
2	— 87.1	117.0	.0085			633.9	590.7		,	1.7017	
3	- 76.5	80.0	.0125			626.9	582.7	• • • • •		1.6363	
4	- 68.5	61.0	.0164			621.6	576.5			1.5891	
5	- 62.0	49.3	0.0203	-98.1	519.1	617.2	571.5	473-4	-0.2207	1.5523	1.3316
7	- 56.6 - 51.9	41.6 35.9	.0241	-92.5 -87.6	521.1	613.5	567.3	474.9 476.1	2070 1947	1.5223	1.3153
é	- 47.6	31.6	.0316	-83.2	524.1	607.3	560.4	477.1	1840	1.4740	1.2900
9	- 43.9	28.3	.0352	−79.3	525.3	604.7	557-4	478.0	1747	1.4541	1.2794
10	- 40.4	25.75	0.0388	-75.7	526.4	602.2	554.6	478.8	-o.1661	1.4363	1.2702
11 12	-37.2 -34.3	23.60	.0424	-72.4 -69.4	527.4 528.4	599.9 597.8	552.0 549.6	479·5 480·2	1584 1513	1.4202	1.2518
13	- 31.5	20.16	.0496	-66.5	529.3	595.8	547.4	480.9	1446	1.3917	1.2471
14	- 28.9	18.79	.0532	-63. 8	530.1	593.9	545-3	481.5	1384	1.3789	1.2405
15	- 26.4	17.60	0.0568	-61.2	530.9	592.1	543-3	482.0	-0.1324	1.3669	1.2345
16	- 24.1	16.56	.0604	-58.8	531.6	590.4	541.4	482.5	1268	1.3557	1.2289
17 18	- 21.9 - 19.8	15.64	.0639	-56.5 -54.4	532.2	588.8 587.2	539.6	483.0 483.4	1215 1165 ·	1.3451	1.2236
19	- 17.8	14.09	.0710	-52.3	533.4	585.7	536.3	483.9	1119	1.3257	1.2138
20	- 15.9	13.45	0.0744	-50.3	534.0	584.3	534-7	484.3	-0.1075	1.3168	1.2093
21	- 14.0	12.82	.0780	-48.4	534.6	582.9	533.I	484.7	1032	1.3082	1.2050
22 23	- 12.2 - 10.5	12.27	.0815	-46.5	535.1	581.5	531.6	485.1	0990 0950	1.2999	1.2009
24	- 8.8	11.77	.0885	-44.7 -42.9	535.6 536.1	579.0	530.2 528.8	485.4 485.8	0912	1.2844	1.1932
25	- 7.2	10.88	0.0919	-41.3	536.5	577,8	527.4	486.1	-0.0876	1.2771	1.1896
26	5.7	10.50	.0953	-39.7	536.9	576.6	526.1	486.4	0840	1.2701	1.1862
27 28	- 4.2	10.13	.1022	-38.1 -36.5	537.4	575.4	524.9	486.7	0805 0771	1.2634	1.1829
29	- 2.7 - 1.3	9.78	.1056	-35.0	537.8 538.2	574·3 573·2	523.7 522.5	487.3	0739	1.2507	1.1768
30	+ 0.1	9.17	0.1090	-33.6	538.5	572.1	521.3	487.6	-0.0708	1.2447	1.1739
31	1.4	8.90	.1124	-32.2	538.9	571.1	520.2	487.8	0677,	1.2389	1.1712
32	2.7	8.64	.1158	-30.8	539.3	570,1.		488.1	0647 0617	1.2332	1.1685
33 34	4.0 5.3	8.39 8.15	.1192	-29.5 -28.2	539.6	569.1 568.1	518.0 516.9	488.4 488.6	0589	1.2275	1.1658
35	6.5	7.93	0.1260	- 26.9	540.3	567.1	515.8	488.8	-0.0561	1.2167	1.1606
36	7.7	7.73	.1294	-25.6	540.6	566.2	514.8	489.1	0534	1.2116	1.1581
37	8.9	7.52	.1328	-24.4	540.9	565.3	513.8	489.3	0508	1.2066	1.1558
38 39	10.0	7.34 7.16	1362	-23.2 -22.0	541.2	564.4 563.5	512.8 511.9	489.5 489. 7	0483 0458	1.2018	1.1535
40	12.2	6.99	0.1420	- 20.8	541.8	562.6	511.0	480	-0.0433	1.1924	1.1491_
41	13.3	6.82	.1464	-19.7	542.0	561.7	510.0		0409	1.1878	1.1469
42	14.4			-18.6	542.3	560.9	509.1	4908	0386	1.1833	1.1448
43 44	15.4 16.4	6.52 6.38		-17.5 -16.4	542.6 542.8	560.0 559.2	508.2	499 5	0363 0341	1.1790	1.1427
	-		•					75	,		1.1388
45 46	17.4 18.4	6.25	0.1598	-15.3 -14.3	543.1 543.3	558.4 557.6	505.6	490.9	-0.0319 0297	1.1707	1.1369
47	19.4	6.00	.1665	-13.3	543.6	556.8	504.7		0276	1.1626	1.1350
. 48	20.3	5.88	.1698	-12.3	543.8	556.1		491.4	0255	1.1587	1.1332
49	21.2	5.77	.1732	-11.3	544.0	555-3	503.1	491.6	0235	1.1549	1.1314
50	22.1	5.66	0.1765	- 10.3	544.3	554.6			-0.0216		1.1297
51	23.0 23.9	5.56 5.46	.1798	- 9.3 - 3.4	544·5 544·7	553.1 553.1	501.5	491.9 492.1	0196 0177	1.1476	1.1280
53	24.8	5.36	.1865	- 7.5	544.9	552.4	500.0	492.3	0158	1.1406	1.1247
54	25.6	5-27	.1898	- 6.6	545.1	551.7	499.3	492.4	0140	1.1372	1.1231
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		Volume,	Weight,	Heat co	ontent .t.u.		t heat .t.u.	Energy		Entropy	
Pressure, lb.	Temp., ° F.	cu. ft. per lb.	lb. per cu. ft.	of liquid	of vapor	of va- poriza- tion	Inter-	of vapor B.t.u.	of liquid	of vapor- ization	of vapor
p	t	▼*	1/4"	i' o	i',	r	P	u"	8'	r/T	8"
55	26.4	5.18	0.1931	-5·7	545.3	551.1	498.6	492.6	-0.0122	1.1338	1.1216
56	27.3	5.09	.1964	-4.8	545.5	550.4	497.8	492.7	.0103	1.1304	1.1201
-	27.3 28.1	5.01	.1997	-3.9	545.7	549.7	497.1	492.9	.0085	1.1271	1.1186
57 58	28.9	4.93	.2030	-3.0	545.9	549.0	496.4	493.0	.0068	1.1239	1.1171
59	29.7	4.85	.2063	-2.2	546.1	548.4	495.7	493.2	.0050	1.1207	1.1157
60	30.5	4.77	0.2096	-1.3	546.3	547.7	495.0	493.3	-0.0033	1.1175	1.1142
6 1	31.3	4.70	.2129	-0.5	546.5	547.0	494-3	493.5	-0.0016	1.1144	1.1128
62	, 32.T.	4.63	.2162	+0.3	546.7	546.4	493.6	493.6	+0.0001	1.1113	1.1114
63	32.8	4.56	.2195	1.1	546.9	545.8	492.9	493.7	.0018	1.1083	1.1101
64	33.6	4.49	.2228	1.9	547.1	545.1	492.2	493.9	.0035	1.1053	1.1087
65	34-3	4.42	0.2261	2.7	547.2	544.5	491.6	494.0	0.0051	1.1023	1.1074
66	35.1	4.36	.2294	3.5	547.4	543.8	490.9	494.I	.0067	1.0994	1.1061
67	35.8	4.30	.2327	4.3	547.6	543.2	490.3	494-3	.0082	1.0966	1.1048
68	36.5	4.24	.2359	5.1	547.7	542.6	489.6	494.4	.0097	1.0939	1.1036
69	37.2	4.18	.2392	5.8	547.9	542.0	489.0	494-5	.0113	1.0911	1.1024
70	37.9	4.12	0.2425	6.6	548.1	541.4	488.4	494.6	0.0128	1.0883	1.1011
71	38.6	4.07	.2458	7.4	548.2	540.8	487.7	494.8	.0143	1.0856	1.0999
72	39.3	4.02	.2490	8.1	548.4	540.2	487.1	494.9	.0158	1.0829	1.0987
73	40.0	3.96	.2523	8.9	548.5	539.6	486.5	495.0	.0173	1.0802	1.0975
74	40.7	3.91	.2556	9.6	548.7	539.0	485.9	495.1	.0187	1.07,76	1.0963
75	41.3	3.86	0.2589	10.3	548.8	538.5	485.3	495.2	0.0201	1.0751	1.0952
76	42.0	3.81	.2622	11.0	549.0	537.9	484.7	495.3	.0215	1.0726	1.0941
77	42.6	3.77	.2655	11.7	549.1	537-4	484.1	495.4	.0229	1.0701	1.0930
78	43.3	3.72	.2688	12.4	549.3	536.8	483.5	495.6	.0243	1.0676	1.0919
79	43.9	3.68	.2721	13.1	549.4	536.3	482.9	495.7	.0257	1.0651	1.0908
80	44.5	3.63	0.2753	13.8	549.5	535.8	482.3	495.8	0.0271	1.0627	1.0898
81	45.1	3.59	.2786	14.5	549.7	535.2	481.8	495.9	.0284	1.0603	1.0888
82	45.8	3.55	.2819	15.2	549.8	534.6	481.2	496.0	.0297	1.0580	1.0877
83 84	46.4 47.0	3.51 3.47	.2851	15.8	550.0	534.1 533.6	480.6 480.1	496.1	.0310	1.0557	1.0867
-			1					106.0		! ~	3
85	47.6	3.43	0.2917	17.2	550.2	533.1	479.5	496.3	0.0336	1.0511	1
86	48.2	3.39	.2950	17.8	550.4		479.0	496.4	.0349	1.0488	1.0837
87	48.8	3.35	.2983	18.5	550.5	532.0	478.4	496.5	.0362	1.0465	1.0827
88 89	49.4 50.0	3.32	.3015	19.1	550.6 550.8	531.5	477·9 477·3	496.7	.0374	1.0443	1.080
90			-			530.5	476.8	496.8	0.0398	1.0400	1.0798
	50.5	3.25	0.3081	20.4	550.9	530.0	476.3	496.9	.0410	1.0379	1.0780
91	51.1	3.21	.3114	21.7	551.1	529.5	475.8	497.0	.0410	1.0379	1.0780
92	51.7	3.14	.3147	22.3	551.2	529.0	475.3	497.1	.0434	1.0337	1.0731
93 94	52.2 52.8	3.14	.3213	22.9	551.4	528.5	474.8	497.2	.0434		1.0762
95		3.08	0.3246	23.5	551.5	528.0	474.3	497.3	0.0458	1.0295	1.0753
96	53·3 53·9	3.05	.3278		551.6			497.4	.0470	1.0274	
90 97	53·9 54·4	3.02	.3311	24.7	551.7			497.4	.0482	1.0254	
97 98	55.0	2.99	-3344	25.3	551.9		472.8	497.5	.0494	1.0234	
99	55.5	2.96	-3377	25.9	552.0	1	472.3	497.6	.0505	1.0214	
100	56.0	2.93	0.3409	26.5	552.1	525.6	471.8	497.7	0.0516	1.0195	1.0710
101	56.6	2.90	.3442	27.1	552.2	1	471.3		.0527	1.0175	
102	57.1	2.88	-3475	27.7	552.3			497.9	.0539	1.0155	1 -
103	57.6	2.85	.3508	28.2	552.4		470.3	498.0	.0550	1.0136	1 - 2 :
104	58.1	2.82	.3540	28.8	552.5	1 -	469.8	498.1	.0561	1.0117	
105	58.6	2.80	0.3573	29.3	552.6	523.3	469.3	498.1	0.0572	1.0098	1.067c
106	59.1	2.77	.3605	29.9	552.7			498.2	.0583	1.0079	
107	59.6	2.75	.3638	30.4	552.8	522.4		498.3	.0594	1.0061	
108	60.1	2.72	.3670	31.0	552.9	521.9	467.9	498.4	.0604	1.0043	1.064;
109	60.6	2.70	.3703	31.5	553.0	521.5	467.5	498.5	.0614	1.0025	
7	1 -3.5		3,-3	55	330		1	1.5		1	

			Volume.	Weight,	Heat co			t heat 3.t.u.	Energy	E	Intropy	
	Pressure, lb.	Temp., °F.	cu. ft. per lb.	lb. per cu. ft.	of liquid	of vapor	of va- poriza- tion	Inter- nal	of vapor B.t.u.	of liquid	of vapor- ization	of vapor
İ	p	t	∀*	1/7"	i'	۲	į.	ρ	u'	g'	r/T	s'
١.	110	61.1	2.678	0 2725	- 30 -			467.0	498.6	0.0625	1.0006	1.0631
ı		61.6	2.655	0.3735	32.1	553.1	521.0		498.6	.0636	0.9988	1.0624
ľ	III	62.1	2.632	.3767	32.6	553.2	520.6	466.5			1	1.0616
ľ	112	62.6	2.610	-3799	33.2	553.3	520.1	466.1	498.7	.0646	.9970	1.0608
ŀ	113	63.1	2.589	.3831	33·7 34·3	553·4 553·5	519.7 519.2	405.0 •465.1	498.8 498.9	.0657 .0668	.9951	1.0601
	44.					_		' -				
L	115	63.6	2.568	0.3895	34.8	553.6	518.8	464.6	499.0	0.0678	0.9916	1.0594
•	116	64.0	2.547	.3927	35.4	553.7	518.4	464.2	499.0	.0688	.9899	1.0587
h	117	64.5	2.526	∹3959	35.9	553.8	517.9	463.8	499.1	.0697	.9883	1.0580
A	118	64.9 65.4	2.506 2.486	.3991	36.4 36.9	553.9° 554.0	517.5 517.1	463.4	499.2	.0706 .0716	.9867	1.0573
ľ	-	03.4	2.400	.4023	30.9	334.0	3-7.1	•	499-3	.0,10	•	1.0300
ı	120 121	65.8 66.3	2.466	0.4056	37.4	554.1	516.7	462.5 462.1	499.4	0.0725	0.9834	1.0559
ľ	121	66.8	2.446	.4089	37.9	554.2	516.3	461.6	499.4	.0735	.9800	1.0552
h	123	67.2	2.427	.4121	38.5	554.3	515.8	461.2	499.5	.0745	.9784	1.0545
R	124	67.7	2.409 2.390	.4153	30.0	554.4 554.5	515.4	460.8	499.6	.0754 .0764	.9768	1.0539
	124	07.7	2.390	.4103	39-5	334.3	313.0	400.8	499.7	.0704	.9700	1.0532
	125	68. ı	2.371	0.4218	40.0	554.6	514.6	460.4	499.7	0.0773	0.9752	1.0525
K	126	68.6	2.353	.4250	40.5	554.7	514.1	459.9	499.8	.0783	.9736	1.0519
11	127	69.o	2.335	.4283	41.0	554.8	513.7	459.5	499.9	.0792 .	.9720	1.0512
Н	128	69.5	2.317	.4316	41.5	554.9	513.3	459.0	500.0	.0802	.9704	1.0505
И	129	69.9	2.300	.4348	42.0	555.0	512.9	458.6	500.0	.0811	.9688	1.0499
	130	70.4	2.283	0.4381	42.5	555.0	512.5	458.2	500.1	0.0820	0.9672	1.0492
•	131	70.8	2.266	.4414	43.0	555.I	512.1	457.8	500.2	.0829	.9656	1.0485
1	132	71.2	2.249	-4447	43.5	555.2	511.7	457.4	500.2	.0838	.9641	1.0479
	133	71.6	2.233	-4479	44.0	555-3	511.3	457.0	500.3	.0847	.9626	1.0473
	134	72.0	2.217	.4511	44-5	555.4	510.9	456.6	500.4	.0856	.9611	1.0467
	135	72.5	2.201	0.4544	45.0	555-5	510.5	456.2	500.5	0.0865	0.9596	1.0461
1	136	72.9	2.185	-4577	45.5	555.6	510.1	455.8	500.5	.0874	.9581	1.0455
	137	73.3	2.169	.4610	46,0	555.6	509.7	455.4	500.6	.0883	.9566	1.0449
:	138	73.7	2.154	.4643	46.4	555-7	509.4	455.0	5∞.7	.0892	.9551	1.0443
	139	74.1	2.139	.4675	46.9	555.8	509.0	454.6	500.7	.0901	.9536	1.0437
	140	74.5	2.124	0.4707	47.3	555.9	508.6	454.2	500.8	0.0910	0.9521	1.0431
	:41	75.0	2.109	.4740	47.3	556.0	508.2	453.8	500.9	.0919	.9506	1.0425
	112	75.4	2.095	-4772	48.3	556.1	507.8	453.4	500.9	.0928	.9491	1.0419
	143	75.8	2.082	.4804	48.8	556.1	507.4	453.0	501.0	.0936	-9477	1.0413
	144	76.2	2.069	.4835	49.2	556.2	507.0	452.6	501.1	.0944	.9463	1.0407
	145	76.5	2.056	0.4867	49.6	556.3	506.7	452.2	501.1	0.0952	0.9450	1.0402
i	146	76.9	2.043	.4899	50.0	556.4	506.3	451.8	501.2	.0960	.9436	1.0396
И	147	77-3	2.029	.4931	50.5	556.4	506.0	451.4	501.2	. .0 968	.9423	1.0391
1	148	72.7	2.015	.4963	50.9	556.5	505.6	451.0	501.3	.0976	.9410	1.0386
l	149	78.1	2.002	· 4 995	51.4	556.6	505.2	450.7	501.4	.0985	.9396	1.0380
	150	78.5	1.989	0.5028	51.8	556.7	504.8	450.3	501.4	0.0993	0.9382	1.0375
	151	78.9	1.976	.5060	52.3	556.7	504.4	449.9	501.5	.1002	.9368	1.0369
ı	152	79-3	1.964	.5032	52.7	556.8	504.0	44).5	501.6	.1010	.9354	1.0364
1	153	79.6	1.952	.5123	53.1	556.9		449.2	501.6	8101.	.9341	1.0359
ŀ	154	8o.o	1.940	.5155	53.6	557.0	503.3	448.8	501.7	.1026	.9328	1.0354
	155	80.4	1.928	0.5187	54.0	557.0	503.0	448.4	501.7	0.1034	0.9314	1.0348
1	156	80.8	1.916	.5220	54.5	557.1	502.6	448.0	501.8		.9301	1.0343
1	157	81.2	1.904	-5253	54.9	557.2	502.2		501.8		.9288	1.0338
1	158	81.5	1.892	.5286		557.2	501.9		501.9		.9275	1.0333
1	159	81.9	1.880	.5320	55.3 55.8	557-3	501.5		502.0		.9262	1.0328
:	160	82.3	1.868	0.5353	56.2	557-4	501.1	446.6	502.1	0.1074	0.9249	1.0323
11	161	82.7	1.857	.5386	56.7	557.5		146.2		.1082	.9236	1.0318
	162	83.0	1.846	.5418	57.1	557.5	500.4	445.9	502.7	.1090	.9223	1.0313
i	163	83.4	1.835	.5450	57.5	557.6	500.0	445.5	502.2	.1098	.9210	1.0308
i	164	83,8	т.824	.5483	58.0		499.7		;52.3	.1106	.9197	1.0303.
,-								' . .			·	

	_	Volume,	Weight,	Heat of in B.		Laten in B	t heat .t.u.	Energy		Entropy	
Pressure, lb.	Temp., • F.	cu. ft. per lb.	lb. per cu. ft.	of liquid	of vapor	of va- poriza- tion	Inter- nal	of vapor B.t.u.	of liquid	of vapor- ization	of vapor
р	t	▼*	1/4'	ť	30	. r	P	u'	s′	r/T	s'
165	84.1	1.814	0.5515	58.4	557.7	499-4	444.8	502.3	0.1114	0.9184	1.0298
166	84.5	1.803	.5547	58.8	557.8	499.0	444.4	502.4	.1122	.9171	1.0293
167	84.9	1.793	.5578	59.3	557.9	498.6	444.0	502.5	.1130	.9158	1.0288
168	85.2	1.783	.5609	59.7	558.0	498.3	443.7	502.5	.1137	.9146	1.028
169	85.6	1.773	.5641	60.1	558.0	497.9	443.3	502.6	.1145	.9133	1.0278
170	85.9	1.763	0.5673	60.5	558.1	497.6	443.0	502.7	. 0.1152	0.9121	1.027
171	86.3	1.753	.5705	61.0	558.2	497.2	442.6	502.7	.1160	.9108	1.026
172	86.6	1.743	.5738	61.4	558.2	496.9_	442.3	502.8	.1167	.9096	1.026
173	87.0	1.733	.5771	61.8	558.3	496.5	441.9	502.8	.1175	.9084	1.025
174	87.3	1.723	.5804	62.2	558.4	496.2	441.6	502.9	.1182	.9072	1.025
175 176	87.7 88.0	1.713	0.5836	62.6	558.4	495.8	441.2	502.9	0.1190	0.9060	1.025
	88.4	1.704	.5869	63.0	558.5 558.6	495.5	440.9	503.0	.1197	.9048	1.024
177	88.7	1.685	.5902	63.4	558.6	495.1	440.5	503.0	.1204 .1211	.9037	1.024
179	89.0	1.676	·5935 ·5967	63.8	558.7	494.8	440.2 439.9	503.1 503.1	.1211	.9023	1.023
180	89.4	1.666	0.6000	64.6	558.8	494.1	439.5	503.2	0.1226	0.9001	1.022
181	89.7	1.656	.6034	65.0	558.8	493.8	439.3	503.3	.1233	.8989	1.022
182	90.1	1.647	.6068	65.4	558.9	493.4	438.8	503.3	.1241	.8977	1.021
183	90.4	1.639	.6102	65.8	558.9	493.1	438.5	503.4	.1248	.8966	1.021
184	90.7	1.630	.6135	66,2	559.0	492.8	438.2	503.4	.1254	.8955	1.021
185	91.1	1.621	0.6168	66.6	559.1	492.4	437.8	503.5	0.1261	0.8944	1.020
186	91.4	1.613	.6200	67.0	559.1	492.1	437.5	503.5	.1268	.8933	1.020
187	91.7	1.605	.6233	67.4	559.2	491.8	437.2	503.6	.1274	.8921	1.019
188 189	92.1 92.4	1.596	.6266	67.8	559·3 559·3	491.5	436.8 436.5	503.6 503.7	.1283 .1289	.8909 .8898	1.019
	,		1						133		
190	92.7	1.580	0.6330	68.6 68.9	559-4	490.9	436.2	503.7	0.1296	0.8887 .8876	1.018
191 192	93.0	1.572	.6362	69.3	559.4	490.5	.435.9	503.8	.1303	.8865	1.017
193	93·4 93·7	1.555	.6428	69.7	559.5 559.6	489.8	435·5 435·2	503.9 503.9	.1317	.8854	1.017
194	94.0	1.548	.6460	70.1	559.6	489.5	434.9	504.0	.1323	.8843	1.016
195	94.3	1.541	0.649	70.5	559.7	489.2	434.5	504.0	0.1329	0.8833	1.016
196	94.6	1.533	.652	70.8	559.7	488.9	434.2	504.1	.1336	.8822	1.015
197	94.9	1.526	.655	71.2	559.8	488.6	433.9	504.1	.1342	.8812	1.015
198	95.2	1.519	.658	71.6	559.8	488.3	433.6	504.2	.1349	.8801	1.015
199	95. 5	1.512	.661	71.9	559.9	488.ŏ	433.3	504.2	.1,356	.8790	1.014
200 .	95-9	1.504	0.665	72.3	560.0	487.6	433.0	504.3	o.1363	0.8779	1.014
202	96.5	1.489	.672 >	73.1	560.1	487.0	432.3	504.4	.1376	.8758	1.013
204	97.1	1.474	.679	73.8	560.2	486.4	431.7	504.5	.1389	.8737	1.012
206 208	97.7	1.460	.685	74.6	560.3	485.8	431.1	504.6	.1402	.8716	1.011
	98.3	1.447	.691	75.3	560.4	485.1	430.5	504.7	.1414	.8696	1.011
210	98.9	1.433	0.698	76.0	560.5		429.8	504.8	0.1427	0.8676	1.010
212	99.5	1.419	.705	76.7	560.6		429.2	504.9	.1440	.8656	1.009
214	100.1	1.406	.711	77.4	560.7	483.3	428.6	505.0	.1452		1.008
216 218	100.7	1.394	.717 .724	78.1 78.8	560.8 560.9	482.7 482.1	428.0	505.0 505.1	.1464 .1476	.8616	1.008
220	101.8			'	561.0	-	426.8	505.2	0.1488	0.8578	1.006
222	101.6	1.370	0.730	79·5 80.2	561.1	480.9	426.2	505.2	1500	.8559	1.005
224	103.0	1.346	.743	80.9	561.2	480.3	425.6	505.4	.1512	.8540	1.005
226	103.5	1.335	.749	81.6	561.3		425.I	505.5	.1524	.8521	1.004
228	104.1	1.323	.756	82.3	561.4	479.1	424.5	505.6	.1537	.8501	1.003
230 ·	104.7	1.312	0.762	83.0	561.5	478.5	423.9	505.7	0.1549	0.8482	1.003
232	105.2	1.301	.769	83.7	561.6	477.9	423.3	505.8	.1561	.8463	1.002
234	105.8	1.290	.775	84.4	561.7	477.3		505.9	.1573	.8444	1.001
236	106.3	1.279	.782	85.0	561.8	476.8	422.2	505.9	.1585	.8426	1.001
238	106.9	1.268	.789	85.7	561.9	476.2	421.6	506.0	.1597	.8407	1.000

	_	Volume,	Weight,	Heat c			t heat	Energy	1	Entropy	-
Pressure, lb.	Temp., F.	cu. ft. per lb.	lb. per cu. ft.	of liquid	of vapor	of va- poriza- tion	Inter- nal	of vapor B.t.u.	of liquid	of vapor- ization	of vapor
p	t	₩'	1/7	i'	i'	r	P	u"	8'	r/T	8"
240	107.4	1.258	0.795	86.4	562.0	475.6	421.0	506.I	0.1609	0.8389	0.9998
242	108.0	1.248	.801	87.1	562.1	475.0	420.4	506.2	.1621	.8371	.9991
244	108.5	1.238	.808	87.7	562.2	474-5	419.8	506.3	.1632	.8353	.9985
246 248	109.0 109.6	1.228	.814 .821	88.4 89.1	562.3 562.4	473·9 473·3	419.3 418.7	506.4 506.5	.1643 .1655	.8335	.9979 .9972
250	110.1	1.208	0.828	89.7	562.5	472.8	418.1	506.6	0.1666	0.8300	0.9966
252	110.6	1.199	.834	90.4	562.6	472.2	417.6	506.6	.1677	.8283	.9960
254	111.1	1.189	.841	91.0	562.6	471.6	417.1	506.7	.1688	.8266	∙9954
256	111.7	1.179	.848	91.7	562.7	471.0	416.5	506.8	.1700	.8248	-9947
258	112.2	1.170	.855	92.3	562.8	470.5	415.9	506.9	.1711	.8231	.9941
260	112.7	1.161	0.861	93.0	562.9	470.0	415.4	507.0	0.1722	0.8213	0.9935
262	113.2	1.153	.867	93.6	563.0	469.4	414.8	507.1	.1733	.8196	.9929
264	113.7	1.144	.874	94.2	563.1	468.9	414.3	507.2	.1744	.8179	.9923
266	114.2	1.136	880	94.8	563.2	468.3	413.8	507.2	.1755	.8162	.9917
268	114.7	1.127	.887	95.5	563.3	467.8	413.2	507.3	.1766	.8145	.9911
270	115.2	1.119	0.894	96.1	563.4	467.2	412.7	507.4	0.1777	0.8129	0.9906
272	115.7	1.110	.901	96.7	563.4	466.7	412.2	507.5	.1787	.8113	.9900
274	116.2	1.102	.908	97.4	563.5	466.1	411.7	507.6	.1798	.8096	.9894
276	116.7	1.094	.914	98.0	563.6	465.6	411.2	507.7	.1809	.8080	.9888
278 280	117.1	1.087	.920	98.6	563.7	465.1	410.7	507.7	.1819	.8064 0.8048	.9883
282	117.6 118.1	1.079	0.927	99.2 99.8	563.8	464.6 464.0	409.6	507.8	0.1829 .1840	.8032	.9872
284	118.6	1.063	.934	100.4	563.9	463.5	409.1	508.0	.1850	.8016	.9867
286	119.1	1.056	-947	101.1	564.0	462.9	408.5	508.1	.1861	.8000	.9861
288	119.6	1.049	-953	101.7	564.1	462.4	408.0	508.2	.1872	.7984	.9856
290	· 120.0	1.042	0.960	102.3	564.2	461.9	407.5	508.2	0.1882	0.7969	0.9851
292	120.5	1.035	.966	102.9	564.3	461.4	407.0	508.3	.1892	-7954	.9846
294	120.9	1.028	.973	103.5	564.3	460.9	406.5	508.4	.1902	.7939	.9841
296 298	121.4 121.9	1.021	.980 .986	104.1	564.4 564.5	460.4 459.8	406.0	508.5 508.6	.1912 .1922	.7924	9836
300	122.4	1.007	0.993	105.3	564.6	459.3	405.0	508.7	0.1932	0.7893	0.9825
310	124.6	0.975	1.026	108.2	565.0	456.8	402.5	509.0	.1981	.7820	.9801
320	126.8	-945	1.059	111.1	565.3	454.3	400.0	509.4	.2030	.7747	.9777
330	129.0	.916	1.092	114.0	565.7	451.8	397.6	509.8	.2078	.7676	-9754
340	131.1	.889	1.125	116.8	566.1	449.3	395.2	510.1	.2125	.7606	·9731
350	133.2	0.863	1.159	119.6	566.4	446.8	392.8	510.5	0.2171	0.7538	0.9709
360	135.2	.838	1.193	122.3	566.7	444-4	390.5	510.8	.2216 .2261	.7472	.9688 .9668
370 380	137.2 139.2	.815 -793	1.227	125.0	567.0	442.0 439.6	385.9	511.2	.2305	.7407	.9648
390	141.1	.772	1.295	130.3	567.6	437.3	383.7	511.9	.2348	.7281	.9629
400	142.9	0.752	1.330	132.9	567.9	435.0	381.5	512.2	0.2390	0.7220	0.9610
410	144.8	·733	1.364	135.5	568.2	432.7	379-3	512.5	.2431	.7161	.9592
420	146.6 148.4	.715	1.399	138.1	568.5	430.4	377.2	512.8	42472	.7102	.9574
430 440	150.1	.698	1.469	140.6	568.8 569.0	426.0	375.0 372.9	513.2 513.5	.2513 .2553	.7044 .6987	·9557 ·9540
450	151.8	0.665	1.504	145.6	569.3	423.8	370.8	513.8	0.2593	0.6931	0.9524
460	153.5	.650	1.539	148.0	5 6 9.6	421.6	368.7	514.1	.2632	.6876	.9508
470	155.2	.636	1.574	150.4	569.8	419.4	366.6	514.4	.2671	.6822	-9493
480 490	156.9 158.5	.622	1.608	152.8	570.1 570.3	417.2 415.0	364.5 362.5	514.7	.2710	.6768	.9478
500	150.0	0.597	1.675	157.5	570.5	413.0	360.5	515.0	0.2786	0.6664	
525	163.9	.566	1.765	163.4	571.1	407.7	355.6	516.0	.2876	.6540	1 2.0
550	167.6	-539	1.855	169.2	571.7	402.5	350.8	516.7	.2965	.6419	.9384
575	171.2	.514	1.946	174.8	572.2	397.4	346.0	517.4	.3052	.6301	-9353
600	174.7	0.491	2.038	180.4	572.7	392.3	341.3	518.1	0.3138	0.6186	0.9324
625	178.1 181.4	.469	2.132	185.9	573.1	387.2	336.6	518.8	.3223	.6073	.9296
5 50	184.6	.449 .431	2.227	191.4	573.6 574.0	382.2 377.2	332.0	519.5	.3307	.5963 .5856	.9276
700	187.7	.414	2.416	202.1	574.4	372.2	322.8	520.7	.3469	·5752	.9221
. ,	,.,		1		3/4.4	3,2	3-2.5	3-0.7	.3409	1 .3/32	',

35 77 37

	Pressure,	Volume.	Weight,	Heat co		Laten in B		Energy	4 1	Entropy	•
Temp.,	lb. per sq. in.	cu. ft. per lb.	Ib. per cu. ft.	of liquid	of vapor	of va- poriza- tion	Inter- nal	of vapor B.t.u.	of liquid	of vapor- ization	cf vapor
t	P	₩,	1/4"	i'	Šн	r	P	u'	g'	r/T	8"
-50	7.42	24.07	0.02940	-85.7	1 ′	608.9	562.2	476.5	-0.1901	1.4866	1.2965
-49	7.43 7.67	34.01 32.98	.03032	-84.7	523.3 523.6	608.2	561.4	476.7	1875	1.4812	1.2937
-49 -48	7.92	32.00	.03125	-83.6	523.9	607.5	560.6	476.9	1850	1.4759	1.2909
•	8.17	31.07	.03218	-82.6		606.8	559.8	477.2	1825	1.4706	1.2881
-47 -46	8.43	30.19	.03312	-81.5	524.3 524.6	606.1	559.0	477.4	1801	1.4654	1.2854
-45	8.69	29.34	0.03408	-80.5	524.9	605.4	558.2	477.6	-0.1776	1.4602	1.2826
44	8.96	28.52	.03506	-79.5	525.3	604.7	557.4	477-9	1751	1.4550	1.2798
-43	9.24	27.72	.03607	-78.4	525.6	604.0	556.6	478.2	1727	1.4498	1.2771
-42	9.53	26.94	.03712	-77.4	525.9	603.3	555.8	478.4	1702	1.4446	1.2744
-41	9.82	26.18	.03820	-76.4	526.2	602.6	555.0	478.6	1678	1.4395	1.2717
-40	10.12	25.45	0.03930	-75.3	526.6	601.9	554.2	478.9	-0.1653	1.4344	1.2691
-39	10.43	24.74	.04042	74.3	526.9	601.2	553.4	479.1.	1628	1.4293	1.2664
-38	10.75	24.06	.04156	−73.3	527.2	600.5	552.6	479.3	1604	1.4242	1.2638
-37	11.07	23.40	.04273	-72.2	527.5	599.7	551.8	479.6	1580	1.4191	1.2612
— 36	11.40	22.76	.04393	-71.2	527.9	599.0	551.0	479.8	1555	1.4141	1.2586
-35	11.74	22.14	0.04516	-70.2	528.2	598.3	550.2	480.0	-0.1531	1.4091	1.2560
-34	12.09	21.55	.04641	-69.1	528.5	597.6	549.4	480.3	1507	1.4041	1.2534
-33	12.45	20.97	.04769	-68.r	528.8	596.9	548.6	480.5	1483	1.3991	1.2508
-32	12.81	20.41	.04900	-67.r	529.1	596.1	547.8	480.7	1458	1.3941	1.2483
-31	13.18	19.87	.05033	-66.0	529.4	595-4	547.0	481.0	1434	1.3892	1.2458
-30	13.56	19.35	0.05168	-65.0	529.8	594-7	546.2	481.2	-0.1410	1.3843	1.2433
-29	13.95	18.84	.05306	-63.9	530.1	594.0	545.4	481.4	– .1386	1.3794	1.2408
- 28	14.35	18.35	.05449	-62.9	530.4	593.2	544.6	481.6	1362	1.3745	1.2383
- 27	14.76	17.87	.05596	-61.8	530.7	592.5	543.7	481.9	1338	1.3697	1.2359
- 26	15.18	17.40	.05747	-60.8	531.0	591.8	542.9	482.1	1314	1.3648	1.2334
-25	15.61	16.95	0.0590	-59.8	531.3	591.1	542.1	482.3	-0.1290	1.3599	1.2310
- 24	16.05	16.51	.0606	-58.7	531.6	590.3	541.3	482.5	1266	1.3551	1.2286
- 23	16.50	16.09	.0622	-57.7	531.9	589.6	540.5	482.8	1242	1.3503	1.2261
-22	16.96	15.68	.0638	-56.6	532.2	588.8	539.7	483.0	— .1218	1.3455	1.2237
-21	17.43	15.28	.0654	-55.6	532-5	588.1	538.9	483.2	1195	1.3408	1.2214
-20	17.91	14.89	0.0671	-54.6	532.8	587.4	538.0	483.4	-011171	1.3361	1,2190
-19	18.40	14.52	.0689	-53.5	533.1	586.6	537.2	483.6	1147	1.3314	1.2166
— 18	18.90	14.16	.0706	-52.5	533.4	585.9	536.4	483.8	1124	1.3267	1.2143
-17	19.41	13.81	.0724	-51.4	533.7	585.1	535.6	484.0	1100	1.3220	1.2119
-16	19.93	13.48	.0742	-50.4	534.0	584-4	534.8	484.3	1077	1.3173	1.2096
-15	20.46	13.15	0.0760	-49.4	534-3	583.6	533.9	484.5	-0.1054	1.3127	1.2073
-14	21.00	12.83	.0779	-48.3	534.6	582.9	533.1	484.7	1031	1.3081	1.2050
-13	21.56	12.51	.0799	-47.3	534.8	582.1	532.3	484.9	1007	1.3034	1.2027
— I 2	22.13	12.21	.0819	-46.2	535.1	581.4	531.4	485.1	0984	1.2988	1.2004
-11	22.71	11.92	.0839	-45.2	535-4	580.6	530.6	485.3	0961	1.2942	1.1981
-10	23.30	11.63	0.0860	-44.2	535.7	579-9	529.8	485.5	-0.0938	1.2897	1.1959
- 9	23.90	11.35	.0881	-43.1	536.0	579.1	528.9	485.7	0915		
- š	24.52	11.08	.0903	-42.1	536.3	578.4	528.1	485.9	0893		
- 7	25.15	10.82	.0924	-41.0	536.6	577.6	527.3	486.1	0870	1.2762	1.1892
- 6	25.80	10.57	.0946	-40.0	536.9	576.8	526.4	486.3	0847	1.2717	1.1870
- 5	26.46	10.32	0.0969	-38.9	537.1	576.1	525.6	486.6	-0.0824		1.1848
- 4	27.13	10.08	.0992	-37.9	537.4	575-3	524.7	486.8	1080. —	1.2627	
- 3	27.82	9.85	.1015	-36.8	537.7	574.6	523.9	487.0	0778	1.2583	1.1805
— 2	28.52	9.62	.1039	-35.8	538.0	573.8	523.1	487.2	0755	1.2538	1.1783
– 1	29.23	9.40	.1064	-34.7	538.2	573.0	522.2	487.4	0732	1.2494	1.1762
0	29.95	9.19	0.1089	-33.7	538.5	572.2	521.4	487.6	-0.0709		
I.	30.69	8.98	.1114	-32.6	538.8	571.4	520.5	487.8	0686	1.2406	1.1720
2	31.44	8.78	.1139	-31.6	539.1	570.7	519.7	488.0	– .0663	1.2363	1.1700
	1 22 27	8.58	.1165	-30.5	539.3	569.9	518.8	488.2	0640	1.2319	1.1679
3 4	32.21 32.99	8.39	.1192	-29.5		569.1	518.0	488.4	0618	1.2276	

	Pressure,	Volume,	Weight,	Heat o		Laten in B	t heat .t.u.	Energy		Entropy	
Temp.,	lb. per sq. in.	cu. ft. per lb.	lb. per cu. ft.	of liquid	of vapor	of va- poriza- tion	Inter- nal	of vapor B.t.u.	of liquid	of vapor- ization	of vapo
t	p	▼"	1/∀"	i',	-	ξ·	R	u'	g'	r/T	8"
5	33-79	8.20	0.1219	-28.4	539.9	568.3	517.1	488.6	-0.0595	1.2232	1.1637
6	34.60	8.02	.1247	-27.4	540:±	567.5	516.3	488.7	0572	1.2189	1.1616
	35.43	7.84	.1275	-26.3	540.4	566.7	515.4	488.9	0550	1.2146	1.1596
7 8	36.28	7.67	.1304	-25.3	540.7	565.9	514.6	489.I	0527	1.2103	1.1576
9	37.14	7.50	.1333	-24.2	540.9	565.2	513.7	489.3	0505	1.2060	1.1555
10	38.02	7.34	0.1363	-23.2	541.2	564.4	512.9	489.5	-0.0483	1.2018	1.153
11	38.92	7.18	.1393	-22.1	541.4	563.6	512.0	489.7	0461	1.1976	1.1519
` I2	39.84	7.02	.1424	-21.1	541.7	562.8	511.2	489.9	0438	1.1933	1.149
13	40.77	6.87	.1455	- 20.0	542.0	562.0	510.3	490.1	0416	1.1891	1.147
14	41.71	6.72	.1487	-19.0	542.2	561.2	509.4	490.3	0394	1.1849	1.145
15	42.67	6.583	0.1519	-17.9	542.5	560.4	508.6	490.5	-0.0372	1.1807	1.143
16	43.65	6.444	.1552	-16.8	542.7	559.6	507.7	490.6	0350	1.1766	1.141
17	44.65	6.308	.1585	-15.8	543.0	558.8	506.8	490.8	0328	1.1724	1.1396
18	45.67	6.176	.1619	-14.7	543.2	558.0	506.0	491.0	0306	1.1683	1.137
19	46.70	6.047	.1654	-13.6	543.5	557.1	505.1	491.2	0284	1.1641	1.135
20	47.75	5.920	0.1689	-12.6	543.7	556.3	504.2	491.4	-0.0262	1.1600	1.133
21	48.82	5.796	.1725	-11.5	544.0	555-5	503.3	491.6	0240	1.1559	1.131
22	49.91	5.676	.1762	-10.4	544.2	554.7	502.4	491.8	0218	1.1517	1.129
23	51.02	5.560	.1799	- 9.4	544.5	553.9	501.6	491.9	0196	1.1476	1.1280
24	52.15	5.447	.1836	- 8.3	544.7	553.1	500.7	492.1	0174	1.1436	1.126
25	53.30	5.336	0.1874	- 7.3	545.0	552.2	499.8	492.3	-0.0153	1.1396	1.124
26	54.47	5.228	.1913	- 6.2	545.2	551.4	498.9	492.5	0131	1.1355	1.122
27	55.66	5.122	.1953	- 5.I	545.5	550.6	498.1	492.7	0109	1.1315	1.120
28	56.87	5.019	.1993	- 4.1	545.7	549.8	497.2	492.9	0087	1.1275	1.1188
29	58.10	4.918	.2034	- 3.0	546.0	549.0	496.3	493.0	0066	1.1235	1.1169
30	59-35	4.820	0.2075	- 1.9	546.2	548.1	495.4	493.2	-0.0044	1.1195	1.2151
3 r	60.62	4.724	.2117	- o.š	546.4	547-3	494.5	493.4	0022	1.1155	1.113
32	61.91	4.631	.2159	+ 0.3	546.7	546.5	493.6	493.6	.0000		1.111
33	63.22	4.540	.2203	+ 1.3	546.9	545.6	492.8	493.8	+ .0021	1.1076	1.109
34	64.55	4.451	.2247	+ 2.4	547·I	544.8	491.9	493.9	.+ .0043	1.1037	1.108
35	65.91	4.364	0.2292	3.5	547.4	543.9	491.0	494.1	0.0065	1.0997	1.106
36	67.29	4.279	.2337	4.6	547.6	543.1	490.1	494.3	.0087	1.0958	1.1044
37	68.69	4.196	.2384	5.6	547.8	542.2	489.2	494-5	8010.	1.0919	1.102
38	70.11	4.115	.2431	6.7	548.1	541.4	488.3	494.6	.0130	1.0880	1.101
39	71.56	4.036	.2478	7.8	548.3	540.5	487.4	494.8	.0151	1.0841	1.099
40	73.03	3.959	0.2526	8.9	548.5	539.7	486.5	495.0	0.9173	1.0802	1.097
41	74.53	3.884	-2575	10.0	548.8	538.8	485.5	495.2	.0194	1.0764	1.095
42	76.05	3.810	.2625	11.1	549.0	537-9	484.6	495-3	.0216	1.0725	1.094
43	77.59	3.738	.2675	12.2	549.2	537.1	483.7	495.5	.0237	1.0687	1.092
44	79.16	3.668	.2727	13.3	549-4	536.2	482.8	495.7	.0259	1.0648	1.090
45	80.75	3.599			549.7	535.3	481.9	495.9	0.0280	1.0610	
46	82.37	3.532	.2832	15.4	549.9	534-5	481.0	496.0	.0301	1.0572	1.087
47	84.01	3.466	.2885	16.5	550.1	533.6	480.1	496.2	.0323	1.0534	1.085
48	85.68	3.402	.2940	17.6	550.3	532.7	479.2	496.4	.0344	1.0496	1.084
49	87/37	3.339	.2995	18.7	550.6	531.8	478.3	496.5	.0366	1.0458	1.082
50 ,	89.09	3.278		19.8	550.8	531.0	477.3	496.7	0.0387	1.0420	1.080
51	90.83	3.219	.3107	20.9	551.0	530.1	476.4	496.9	.0408	1.0383	1.079
52	92.59	3.161	.3164	22.0	551.2	529.2		497.0	.0430	1.0345	1.077
5 3 54	94.38	3.104	.3222 .3281	23.I 24.2	551.4 551.6	528.3 527.4	474.6 473.6	497.2 497.4	.0451 .0473	1.0307	1.075
_		•	_	Ì						1	1
55 56	98.0 99.9	2.992	0.3342	25.3 26.4	551.9 552.1	526.5 525.6	472.7 471.8	497·5 497·7	0.0494 .0516	1.0232	1.072
57	101.8	2.885	.3467	27.5	552.3	524.7	470.8	497.9	.0537	1.0158	
58	103.7	2.833	.3530	28.7	552.5	523.8	469.9	497.9	.0559	1.0130	1.067
59 .	105.7	2.783	.3594	29.8	552.7	522.9	469.0	498.2	.0580	1.0084	1.066
	1 3.7	/-3	-0054	1 -3.0	1 22-17	39	7-3.5	1 730.2		1	100

_	Pressure.	Volume,	Weight,	Heat o			it heat 3.tu.	Energy		Entropy	
remp., ° F.	lb. per sq. in.	cu. ft.	lb. per cu. ft.	of liquid	of vapor	of va- poriza- tion	Inter- nal	of vapor B.t.u.	of liquid	of vapor- ization	of va
t	. р	▼*	1/4"	i'W	ib,.	r	P	u"	s '	r/T	8"
60	107.7	2.734	0.3658	30.9	552.9	522.0	468.0	498.4	0.0601	1.0047	1.06
61	109.7	2.686	.3723	32.0	553.1	521.1	467.1	498.5	.0623	1.0010	1.06
62	111.7	2.639	.3790	33.1	553.3	520.2	466.1	498.7	.0644	0.9974	1.06
63	113.8	2.592	.3858	34.2	553.5	519.3	465.2	498.9	.0665	.9938	1.06
64	115.9	2.547	.3927	35.3	553.7	518.4	464.2	499.0	.0687	.9930	1.05
65	118.1	2.503	0.3996	36.5	554.0	517.5	463.3	499.2	-0.0708	0.9864	1.05
66	120.3	2.460	.4066	37.6	554.2	516.5	462.3	499.4	.0729	.9828	1.05
67	122.5	2.418	.4136	38.7		515.6	461.4			1 -	_
68					554.4			499.5	.0750	.9792	1.05
69	124.7 126.9	2.377	.4207 .4280	39.9 41.0	554.6 554.8	514.7 513.7	460.4 459.5	499.7 499.9	.0771 .0792	.9756	1.05
70					ł						_
	129.2	2.296	0.4354	42.1	555.0	512.8	458.5	500.0	0.0813	0.9684	1.04
71	131.5	2.257	.4430	43.3	555.2	511.9	457.6	500.2	.0834	.9648	1.04
72	133.9	2.219	.4506	44.4	555.4	511.0	456.6	500.4	.0855	.9613	1.04
73	136.3	2.182	.4583	45.5	555.6	510.0	455-7	500.5	.0876	.9577	1.04
74	138.7	2.145	.4662	46.7	555.8	509.1	454.7	500.7	.0898	.9541	1.04
75	141.1	2.109	0.4742	47.8	556.0	508.1	453.7	500.9	0.0919	0.9505	1.04
76	143.6	2.074	.4823	49.0	556.2	507.2	452.7	501.0	.0940	.9470	1.04
77	146.1	2.039	.4905	50,1 -	556.4	506.2	451.7	501.2	.0961	·9435	1.03
78	148.7	2.005	.4988	51.3	556.6	505.3	450.8	501.3	. 0 983	.9399	1.03
79	151.3	1.972	.5071	52.4	556.8	504.3	449.8	501.5	.1004	.9364	1.03
80	153.9	1.940	0.5155	53.6	557.0	503.4	448.8	501.7	0.1025	0.9329	1.03
81	156.5	1.908	.5241	54.8	557.1	502.4	447.8	501.8	.1047	.9294	1.03
82	159.2	1.877	.5328	55.9	557-3	501.4	446.9	502.0	.ro68	.9259	1.03
83	161.9	1.847	.5416	57.1	557.5	500.5	445.9	502.2	.1090	.9223	1.03
84	164.6	1:817	.5504	58.3	557.7	499.5	444.9	502.3	1111.	.9188	1.02
85	167.4	1.788	0.5594	59-4	557.9	498.5	443.9	502.5	0.1132	0.9154	1.02
86	170.2	1.759	.5685	60,6	558.1	497.5	442.9	502.7	.1153	.9119	1.02
87	173.0	1.731	-5777	61.8	558.3	496.5	441.9	502.8	.1175	9084	1.02
88	175.9	1.704	.5870	63.0	558.5	495.5	440.9	503.0	.1196	.9050	1.02
89	178.8	1.677	.5964	64.2	558.7	494.5	439.9	503.1	.1217	,9015	1.02
90	181.8	1.650	0.6060	65.3	558.9	493.5	438.9	503.3	0,1238	0.8981	1.02
91	184.8	1.624	.6158	66.5	559.1	492.5	437.9	503.5	.1259	.8946	1.02
92	187.8	1.598	.6258	67.7	559.2	491.5	436.9	503.6	.1281	.8911	1.01
93	190.9	1.573	.6358	68.9	559.4	490.5	435.9	503.8	.1302	.8877	1.01
94	194.1	1.548	.6460	70.I	559.6	489.5	434.9	504.0	.1323	.8843	1.01
95	197.3	1.524	0.656	71.3	559.8.	488. 5	433.9	504.1	0.1344	0.8809	1.01
96	200.5	1.500	.667	72.5	560.0	487.5	432.8	504.3	.1365	.8775	1.01
97	203.8	1.477	.677	73.7	560.2	486.5	431.8	504.5	.1387	.8741	1.01
98	207.1	1.454	.688	74.9	560.3	485.4	430.8	504.6	.1408	.8707	1.01
99	210.4	1.431	.699	76.1	560.5	484.4	429.8	504.8	.1429	.8673	1.01
100	213.8	1.408	0.710	77-3	560.7	483.4	428.7	504.9	0.1450	0.8639	1.00
101	217.2	1.386	.721	78.5	560.9	482.3	427.7	505.1	.1471	.8605	1.00
102	220.7	1.365	.732	79.7	561.1	481.3	426.7	505.2	.1493	.8571	1.00
103	224.2	1.345	743	80.9	561.2	480.3	425.6	505.4	.1514	.8538	1.00
104	227.7	1.325	-755	82.2	561.4	479.2	424.6	505.6	.1535	.8504	1.00
.05	231.2	1.305	0.766	83.4	561.6	478.2	423.5	505.7	0.1557	0.8470	1.00
106	234.8	1.285	.778	84.6	561.8	477.I	422.5	505.9	.1578	.8437	1.00
107	238.4	1.266	.790	85.8	561.9	476.1	421.4	506.1	.1599	.8404	1.00
107	242.I	1.247	.802	87.1	562.1				.1599	.8370	0.99
109	245.8	1.247	.814	88.3	562.3	475.0 474.0	420.4 419.3	506.2	.1642	.8337	0.99
110		7 070	0.826	90.6							-
	249.6	1.210	.839	89.6 90.8	562.5	472.9 471.8	418.3	506.6	0.1664 .1686	0.8303 .8269	0.99
111	253.4	1.192	.852	90.0	562.8		417.2	506.7			.99
112	257.3 261.2	1.174	.865		563.0	470.7 469.6		506.9	.1707	.8236 .8203	.99
113			.878	93.3		468.5	415.1	507.1	.1729		.99
	265.2	1.139	.070	94.6	563.1	400.5	414.0	507.2	.1750	.8170	. 9 9:

	1_			Heat c	ontent .t.u.	Laten in B	t heat	P	1	Batropy	
Temp., F.	Pressure, lb. per sq. in.	Volume, cu. ft. per lb.	Weight, lb. per cu. ft.	of liquid	of vapor	of va- poriza- tion	Inter- nal	Energy of vapor B.t.u.	of liquid	of vapor- ization	of vapor
t	p	▼"	1/7"	i'	i	r	ρ	u"	8	r/T	s"
115	269.2	1.122	0.891	95.9	563.3	467.4	412.9	507.4	0.1772	0.8136	0.9908
116	273.3	1.105	.905	97.1	563.5	466.3	411.9	507.6	.1794	.8103	.9897
117	277.4	1.088	.919	98.4	563.7	465.2	410.8	507.7	.1816	.8069	.9885
1 1 Š	281.5	1.072	.933	99.7	563.8	464.1	409.7	507.9	.1838	.8036	.9874
119	285.7	1.057	.946	101.0	564.0	463.0	408.6	508.1	.1859	.8003	.9862
120	289.9	1.042	0.960	102.2	564.2	461.9	407.5	508.2	0.1881	0.7970	0.9851
121	294.2	1.027	0.974	103.5	564.4	460.8	406.4	508.4	.1903	·7937	.9840
122	298.5	1.012	0.988	104.8	564.5	459.7	405.3	508.6	.1925	.7904	.9829
123	302.8	0.998	1.002	106.1	564.7	458.6	404.2	508.8	.1947	.7871	.9818
124	307.2	0.984	1.016	107.4	564.9	457-4	403.1	508.9	.1968	.7839	.9807
125	311.6	0.970	1.031	108.7	565.0	456.3	402.0	509.1	0.1990	0.7806	0.9796
126	316.1	.956	1.046	110.0	565.2	455.2	400.9	509.3	.2012	-7773	.9785
127	320.6	.942	1.061	111.3	565.4	454.0	399.8	509.4	.2034	.7740	.9774
128	325.2	.929	1.076	112.6	565.5	452.8	398.7	509.6	.2056	.7708	.9764
129	329.9	.916	1.092	114.0	565.7	451.7	397.6	509.8	.2078	.7675	.9753
130	334.6	0.903	1.108	115.3	565.9	450.6	396.4	510.0	0.2100	0.7642	0.9742
131	339.4	.890	1.124	116.6	566.0	449.4	395.3	510.2	.2122	.7610	.9732
132	344.2	.877	1.140	118.0	566.2	448.2	394.2	510.3	.2145	.7577	.9721
133	349.0	.865	1.156	119.3	566.4	447.0	393.0	510.5	.2167	.7544	.9711
134	3,53.9	.853	1.172	120.7	566.5	445.8	391.9	510.7	.2189	.7512	.9701
135	358.8	0.841	1.189	122.0	566.7	444.7	390.7	510.8	0.2211	0.7479	0.9690
1 36	363.8	.829	1.206	123.4	566.8	443.5	389.6	511.0	.2234	.7446	.9680
137	368.9	.817	1.224	124.7	567.0	442.3	388.4	511.2	.2256	.7414	.9670
138	374.0	.806	1.241	126.1	567.2	441.1	387.3	511.3	.2278	.7381	.9659
139	379-2	-795	1.258	127.4	567.3	439.9	386.1	511.5	.2301	.7348	.9649
140	384.4	0.784	1.275	128.8	567.5	438.6	384.9	511.7	0.2323	0.7316	0.9639
141	389.7	.773	1.293	130.2	567.6	437.4	383.8	511.8	.2346	.7283	.9629
142	395.0	.762	1.312	131.6	567.8	436.2	382.6	512.0	.2368	.7251	.9619
143	400.4	.751	1.331	133.0	567.9	435.0	381.4	512.2	.2391	.7218	.9609
144	405.8	.741	1.349	134.4	568.1	433.7	380.2	512.4	.2413	.7186	-9599
145	411.3	0.731	1.368	135.8	568.3	432.5	379.0	512.6	0.2436	0.7154	0.9589
146	416.8	.721	1.387	137.2	568.4	431.2	377.8	512.7	.2459	.7121	-9579
147	422.4	.711	1.406	138.6	568.6	430.0	376.6	512.9	.2481	.7089	.9570
148	428.0	.701	1.425	140.0	568.7	428.7	375-4	513.1	.2504	.7056	.9560
149	433.7	.692	1.445	141.5	568.9	427.4	374.2	513.3	.2527	.7024	.9551
150	439.5	0.683	1.465	142.9	569.0	426.2	373.0	513.4	0.2550	0.6991	0.9541
155	469.1	.638	1.567	150.1	569.8	419.7	366.9	514.4	.2666	.6829	-9495
160	500.1	-597	1.676	157.5	570.5	413.0	360.6	515.3	.2784	.6666	.9450
165 170	532.6 566.6	.558	1.792	165.1	571.3	406.2 399.1	354.2 347.6	516.2 517.2	.2903 .3023	.6503	.9406
	200.0	.522	1.915	1,2.9	3/2.0		347.0	'	.3023		
175	602.2	0.489	2.045	180.9	572.7	391.8	340.8	518.2	0.3146	0.6175	0.9321
180	639.5	.458	2.183	189.1	573.4	384.3	333.9	519.2	.3271	.6010	.9281
185	678.4	-429	2.330	197.5	574.0	376.6	326.8	520.2	·3399	.5843	.9242
190	719.0	.402	2.488 2.660	206.2	574-7	368.5 360.2	319.4	521.2 522.3	.3530 .3664	.5503	.9167
195 .	761.4	.376	2.000	215.2	575-4	300.2	3.1.0	342.3	.5004	.55~3	1 .910/

17.6 17.9 18.4 18.9 19.3 19.8 20.2 20.7	I.234 I.243 I.255 I.267 I.278 I.289	530.9 534.4 539.9 545.2	16.6 16.8	1.229	i	*	8	i	▼,	8	i
17.9 18.4 18.9 19.3 19.8 20.2	1.243 1.255 1.267 1.278 1.289	534·4 539·9	16.8	1.229	C						
18.4 18.9 19.3 19.8 20.2	1.255 1.267 1.278 1.289	539-9			531.6	15.6	1.224	532.2	14.8	1,219	532.8
19.3 19.8 20.2	1.278	545.2	17.3	1.234 1.246	533.8 539.3	15.7 16.2	1.226 1.238	533·3 538.9	15.3	1.231	538.4
19.8 20.2	1.289		17.7 18.1	1.258	544.7	16.6	1.250	544-3	15.7 16.1	1.243	543.9
20.2		550.5	18.6	1.270	550.1	17.4	1.202	549·7 555.0	16.4	1.255 1.266	549.3
	1.300	555·7 560.9	19.0	1.202	555·4 560.6	17.8	1.284	560.3	16.8	1,277	554·7 560.0
	1.310	566.0	19.4	1.302	565.8	18.2	1.295	565.5	17.2	1.288	565.2
21.1	1.320	571.1	19.8	1.312	570.9	18.6	1.305	570.6	17.6	1.298	570.3
21.5	1.330	576.2	20.2	1.322	576.0 581.0	19.0	1.315	575.7	18.0 18.3	1.308	575.5
22.0 22.4	1.340	581.3 586.3	21.0	1.332	586.0	19.4	1.325 1.334	580.8 585.8	18.7	1.318	580.6 585.7
22.9	1.349	591.4	21.5	1.350	591.1	20.2	1.343	591.0	19.1	1.336	590.8
23.3	1.367	596.4	21.9	1.359	596.1	20.6	1.352	596.0	19.4	1.345	595.8
						ı			_		600.8
						1 .					605.9 610.9
25.I	1.402	616.4	23.5	1.394	616.2	22.1	1.379	616.1	20.5	1.372	616.0
25.5	1.410	621.4	23.9	1.403	621.2	22.5	1.395	621.1	21.2	1.388	621.0
25.9	1.418		24.3	1.411		22.9	1.404	l _	21.6	1.397	626.0
											631.0
20.8 27.7	1.434	646.5	25.1 26.0	1.427	646.4	23.7 24.5	1.435	646.3	23.2	1.413	636.1 646.2
28.5	1.464	656.7 666.0	26.8	1.457	656.6 666.8	25.3	1.450	656.5 666.7	23.9	I.443	656.4 666.6
-9.3	1	000.9	-7.0	<u> </u>	000.0		1		-4.7		
	19 [-17.8]			20 . [-15.9]		<u>.</u>	21 [-14.0]			22 [-12.2]	
14.1	1.214	533.4	13.4	1.209	534.0	12.8	1.205	534.6	12.3	1.201	535.1
14.4	1.224	537.9	13.7	1.217	537-4	13.0	1.210	536.9	12.4	1.204	536.4
14.8	1.236	543.4	14.0	1.229	542.9	13.3	1.222	542.5	12.7	1.216	542.1
15.2	1.248	548.8	14.4	1.241	548.4	13.7	1.234	548.1	13.1	1.228	547.7
15.5.	1.259	554.2	14.7	1.252	553-9	14.0	1.246	553.6	13.4	1.240	553.2
											558.6
16.3	1.281		15.5		504.5	14.7	1.208		14.0	1.202	564.0
16.7	1.291	570.1	15.8	1.284	569.8	15.0	1.278	569.5	14.3	1.272	569.3
•			_								574.5
										•	579.7
18.0	1.320	590.6	17.1	1.314	590.4	16.3	1.317	590.2	15.6	1.312	584.9 590.0
18.4	1.339	595.7	17.5	1.332	595∙5	16.6	1.326	595.3	15.9	1.321	595.1
18.7	1.348	600.7	17.8	1.341		16.9	1.335	600.4	16.2	1.330	600.2
19.0	1.357	605.8	18.1	1.350	605.6	17.2	1.344		16.5	1.339	605.3
19.4	1.365			1.359		17.5				1.347	610.4
_		015.8	18.8	1.308	015.7	1	1.302			1.350	615.4
20. I	1.382	620.9	19.1	1.376	620.8	18.1	1.370	620.6	17.3	1.364	620.5
	1.390		19.4	1.384			1.378			1.372	625.6
			19.7	1.392					17.9		630.6
21.2	1.421	646.1	20.1	1.415	635.9 646.0	19.1	1.394	645.9	18.8	1.309	635.7 645.8
22.6	1.437	656.3	21.4	1.431	656.2	20.3	1.425	656.1	19.4	1.419	656.0
23.2	1.452	666.5	22.0	1.446	666.4	20.9	1.440	666.3	20.0	1.434	666.2
23.8	1.467	676.7	22.6	1.461	676.6	21.5	1.455	676.5	20.6	1.449	676.5
	23.7 24.2 24.6 25.1 25.5 26.8 27.7 28.5 29.3 14.1 14.4 14.8 15.5 15.5 16.7 17.0 17.3 17.7 18.0 19.4 19.4 19.8 20.1 20.4 20.8 21.2 21.9 22.6 23.2	23.7 1.376 24.2 1.385 24.6 1.394 25.1 1.402 25.5 1.410 25.9 1.418 26.3 1.426 26.8 1.434 27.7 1.449 28.5 1.464 29.3 1.479 19 -17.8 14.1 1.214 14.4 1.224 14.8 1.236 15.2 1.248 15.5 1.259 15.9 1.270 16.3 1.281 16.7 1.301 17.0 1.301 17.7 1.320 18.4 1.329 18.4 1.329 18.7 1.348 19.0 1.357 19.8 1.374 20.1 1.365 19.8 1.374 20.1 1.382 20.4 1.390 20.8 1.398 21.2 1.406 21.9 1.421 22.6 1.437 23.2 1.452 23.8 1.467	23.7 1.376 601.4 24.2 1.385 606.4 24.6 1.394 611.4 25.1 1.402 616.4 25.5 1.410 621.4 25.9 1.418 626.4 26.3 1.426 631.4 26.8 1.434 636.4 27.7 1.449 646.5 28.5 1.464 656.7 29.3 1.479 666.9 19	23.7 1.376 601.4 22.3 24.2 1.385 606.4 22.7 24.6 1.394 611.4 23.1 25.1 1.402 616.4 23.5 25.5 1.410 621.4 23.9 25.9 1.418 626.4 24.3 26.3 1.426 631.4 24.7 26.8 1.434 636.4 25.1 27.7 1.449 646.5 26.0 28.5 1.464 656.7 26.8 29.3 1.479 666.9 27.6 19	23.7 1.376 601.4 22.3 1.368 24.2 1.385 606.4 22.7 1.377 24.6 1.394 611.4 23.1 1.386 25.1 1.402 616.4 23.5 1.394 25.5 1.410 621.4 23.9 1.403 25.9 1.418 626.4 24.3 1.411 26.8 1.426 631.4 24.7 1.419 26.8 1.434 636.4 25.1 1.427 27.7 1.449 646.5 26.0 1.442 28.5 1.464 656.7 26.8 1.457 29.3 1.479 666.9 27.6 1.472 19	23.7 1.376 601.4 22.3 1.368 601.1 24.2 1.385 606.4 22.7 1.377 606.2 24.6 1.394 611.4 23.1 1.386 611.2 25.1 1.402 616.4 23.5 1.394 616.2 25.5 1.410 621.4 23.9 1.403 621.2 25.9 1.418 626.4 24.3 1.411 626.2 26.3 1.426 631.4 24.7 1.419 631.2 26.8 1.434 636.4 25.1 1.427 636.3 27.7 1.449 646.5 26.0 1.442 646.4 28.5 1.464 656.7 26.8 1.457 656.6 29.3 1.479 666.9 27.6 1.472 666.8 19 1-17.8 20 14.4 1.224 537.9 13.7 1.217 537.4 14.8 1.236 543.4 14.0 1.229 542.9 15.2 1.248 548.8 14.4 1.241 548.4 15.5 1.259 554.2 14.7 1.252 553.9 16.3 1.281 564.9 15.5 1.274 564.5 16.7 1.291 570.1 15.8 1.284 569.8 17.0 1.301 575.3 16.2 1.294 575.0 17.3 1.311 580.4 16.5 1.304 580.2 17.7 1.320 585.5 16.8 1.314 585.3 18.0 1.329 590.6 17.1 1.323 590.4 18.4 1.339 595.7 17.5 1.332 595.5 18.7 1.348 600.7 17.8 1.341 600.5 19.4 1.365 610.8 18.4 1.359 610.7 19.8 1.374 615.8 18.8 1.368 615.7 20.1 1.382 620.9 19.1 1.376 620.8 19.4 1.390 625.9 19.4 1.384 625.8 20.8 1.398 630.9 19.7 1.392 630.8 21.2 1.406 636.0 20.1 1.400 635.9 21.2 1.406 636.0 20.1 1.406 635.9 21.2 1.452 666.5 22.0 1.446 666.4 22.6 1.437 656.3 21.4 1.431 656.2 23.8 1.467 676.7 22.6 1.461 676.6	23.7	23.7	1376 601.4 22.3 1.368 601.1 21.0 1.361 601.0	$\begin{array}{c} 23.7 \\ 24.2 \\ 24.8 \\ 24.2 \\ 24.8 \\ 24$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

Pres-		23 [–10.5]			24 [-8.8]			25 [-7.2]			26 [-5.7]	
Temp F.	V	8	i	٧	8	i	4	8	i	V	8	i
Sat.	11.8	1.197	535.6	11.3	1.193	536.1	10.9	1.190	536.5	10.5	1.186	536.9
0 10 20 30	12.1 12.5 12.8 13.1 13.4	1.210 1.222 1.234 1.245 1.256	541.7 547.3 552.8 558.3 563.7	11.6 11.9 12.2 12.5 12.8	1.204 1.217 1.229 1.240 1.251	541.2 546.9 552.4 557.9 563.3	11.1 11.4 11.7 12.0 12.3	1.199 1.211 1.223 1.235 1.246	540.8 546.5 552.1 557.6 563.0	10.7 11.0 11.3 11.5 11.8	1.193 1.206 1.218 1.230 1.241	540.3 546.1 551.7 557.2 562.7
50 60 70 80 90	13.7 14.0 14.3 14.6 14.9	1.267 1.277 1.287 1.297 1.306	569.0 574.3 579.5 584.7 589.8	13.1 13.4 13.7 14.0	1.262 1.272 1.282 1.291 1.301	568.7 574.0 579.2 584.4 589.5	12.6 12.8 13.1 13.4 13.7	1.256 1.266 1.276 1.286 1.296	568.4 573.7 578.9 584.1 589.3	12.1 12.3 12.6 12.9 13.2	1.251 1.261 1.271 1.281 1.291	568.1 573.4 578.7 583.9 589.2
100 110 120 130 140	15.2 15.5 15.8 16.0 16.3	1.315 1.324 1.333 1.342 1.351	595.0 600.1 605.2 610.3 615.3	14.5 14.8 15.1 15.3 15.6	1.310 1.319 1.328 1.337 1.346	594.7 599.9 605.0 610.1 615.1	13.9 14.2 14.5 14.7 15.0	1.305 1.314 1.323 1.332 1.341	594.5 599.7 604.8 609.9 615.0	13.4 13.6 13.9 14.1 14.4	1.300 1.309 1.318 1.327 1.336	594.4 599.6 604.7 609.8 614.9
160 170 180 190	16.8 17.1	1.367 1.375 1.383 1.391	625.4 630.5 635.6 640.7	15.8 16.1 16.4 16.7 16.9	1.362 1.370 1.378 1.386	625.3 630.4 635.5 640.6	15.2 15.4 15.7 16.0 16.2	1.349 1.357 1.365 1.373 1.381	625.2 630.3 635.4 640.5	14.8 15.1 15.4 15.6	1.344 1.352 1.360 1.368 1.376	625.1 630.2 635.3 640.4
220 240 260	18.5 19.1	1.399 1.414 1.429 1.444	656.0 666.2 676.4	17.7 18.3 18.9	1.394 1.409 1.424 1.438	655.9 666.1 676.3	17.0 17.6 18.1	1.404 1.419 1.433	655.8 666.0 676.2	15.9 16.4 16.9 17.4	1.384 1.399 1.414 1.429	655.8 666.0 676.2
· .		27 [-4.2]			28 [-2.7]			30 [+0.1]			32 [2.7].	
Sat.	10.1	1.183	537-4	9.8	1.180	537.8	9.17	1.174	538.5	8.64	1.168	539-3
0 10 20 30 40	11.1	1.188 1.201 1.213 1.225 1.236	539.8 545.7 551.4 556.9 562.4	9.9 10.2 10.4 10.7 10.9	1.183 1.196 1.208 -1.220	539.4 545.3 551.0 556.6	9·45 9·70 9·94	1.187 1.199 1.211	544.5 550.3 556.0	8.83 9.06 9.29	1.178 1.190 1.202	543·7 549·5 555·3
50		ľ	3	10.9	1.231	562.1	10.18	1.222	561.6	9.52	1.213	561.0
60 70 80 90	12.1 12.4	1.246 1.257 1.267 1.277 1.286	567.9 573.2 578.5 583.7 589.0	11.2 11.4 11.7 11.9	1.242 1.252 1.262 1.272 1.282		10.18 10.41 10.64 10.87 11.10					561.0 566.5 572.0 577.5 582.8 588.1
70 80 90 100 110	11.8 12.1 12.4 12.6 12.9 13.1 13.4 13.6	1.257 1.267 1.277	567.9 573.2 578.5 583.7	11.2 11.4 11.7 11.9	1.242 1.252 1.262 1.272	562.1 567.6 572.9 578.2 583.5	10.41 10.64 10.87 11.10	1.222 1.233 1.243 1.253 1.263	561.6 567.1 572.5 577.9 583.2	9.52 9.74 9.95 10.17 10.38	1.213 1.224 1.235 1.245 1.255	566.5 572.0 577.5 582.8
70 80 90 100 110 120 130	11.8 12.1 12.4 12.6 12.9 13.1 13.4 13.6 13.8 14.1 14.3 14.5 14.8	1.257 1.267 1.277 1.286 1.296 1.305 1.314 1.323	567.9 573.2 578.5 583.7 589.0 594.2 599.4 604.6 609.7	11.2 11.4 11.7 11.9 12.2 12.4 12.6 12.9 13.1	1.242 1.252 1.262 1.272 1.282 1.291 1.300 1.309 1.318	562.1 567.6 572.9 578.2 583.5 588.8 594.0 599.2 604.4 609.5	10.41 10.64 10.87 11.10 11.32 11.55 11.77 11.99 12.21	1.222 1.233 1.243 1.253 1.263 1.273 1.283 1.292 1.301 1.310	561.6 567.1 572.5 577.9 583.2 588.5 593.7 598.9 604.1 609.3	9.52 9.74 9.95 10.17 10.38 10.60 10.81 11.02 11.23 11.44	1.213 1.224 1.235 1.245 1.255 1.265 1.275 1.284 1.293 1.302	566.5 572.0 577.5 582.8 588.1 593.3 598.6 603.8 609.0

= volume, cu. ft. per lb.

s = entropy

i = heat content, B.t.u.

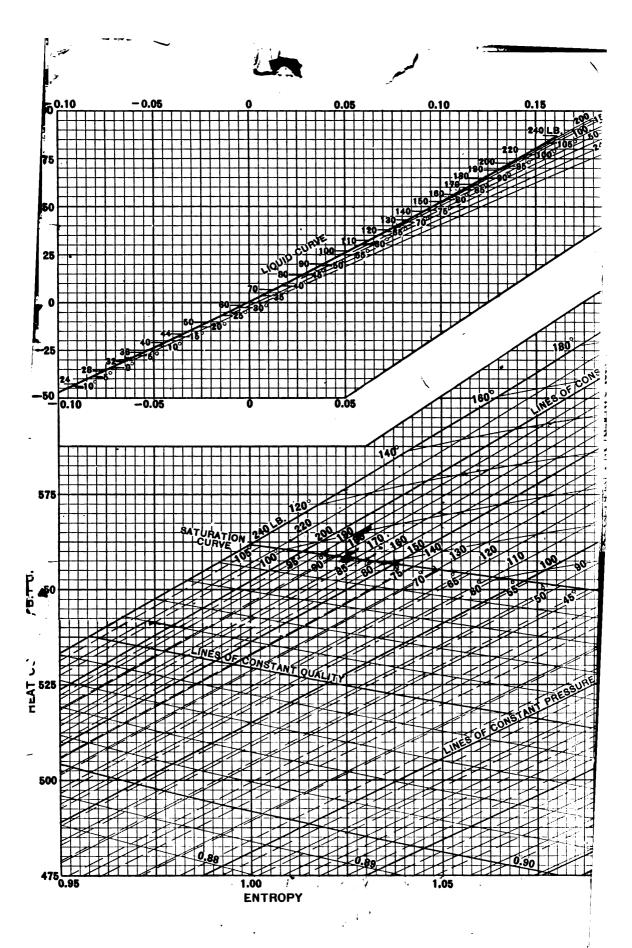
Pres- sure		34 [5,3]			36 [7.7]			38 [10.0]			4 0 [12.2]	
Temp F.	▼	5	i	. 🔻	8	i	. ▼	8	i	•	8	i
Sat.	8.15	1.163	540.0	7.73	1.158	540.6	7.34	1.153	541.2	6.99	1.149	541.8
10	8.26	1.169	542.9	7.78	1.16r	542.0	7.34	1.153	541.2			
20	8.50	1.182	548.8	8.01	1.174	548.0	7.56	1.166	.547-3	.7.17	1.159	546.6
30 40	8.72 8.93	1.194	554.6 560.4	8.22	1.186 1.198	553·9 5 5 9·7	7.76 7.96	1.179	553.3 559.1	7.36 7.54	1.172 1.184	552.6 558.5
50	9.14	1.216	566.o	8.62	1.209	565.4	8.15	1.202	564.8	7.72	1.195	564.3
60	9.14	1.227	571.5	8.81	1.220	571.0	8.33	1.213	570.5	7.90	1.206	570.0
70	9.56	1.237	577.0	9.01	1.230	576.5	8.52	1.223	576.0	8.08	1.217	575.5
80	9.76	1.247	582.4	9.20	1.240	581.9	8.70	1.233	581.4	8.25	1.227	581.0
90	9.96	1.257	587.7	9.39	1.250	587.3	8.88	1.243	586.8	8.42	1.237	586.4
100	10.16	1.267	593.0	9.58	1.260	592.6	9.06	1.253	592.2	8.59	1.247	591.8
110	10.36	1.276	598.2	9.77	1.269	597.8	9.24	1.262	597-5	8.76	1.256	597.2
120	10.56	1.285	603.4	9.96	1.278	603.1	9.42	1.272	602.8	8.93	1.265	602.5
130	10.76	1.294	608.7	10.15	1.287	608.4	9.60	1.281	608.1	9.10	1.274	607.8
140	10.95	1.303	613.9	10.33	1.296	613.6	9.77	1.289	613.3	9.27	1.283	613.0
150	11,14	1.312	619.1	10.51	1.305	618.8	9.95	1.298	618.5	9.44	1.292	618.2
160	11.33	1.320	624.2	10.69	1.313	624.0	10.12	1.307	623.7	9.61	1.300	623.4
170	11.52	1.328	629.3	10.87	1.321	629.1	10.29	1.315	628.9	9.77	1.309	628.6
180 190	11.72	1.335 1.344	634.5 639.7	11.06	1.329 1.337	634.3 639.5	10.47	1.323 1.331	634.1 639.3	9.93	1.317 1.325	633.9 639.1
200	12.10	1.352	644.9	11.42	1.346	644.7	10.81	1.339	644.5	10.26	T 222	644.3
220	12.48	1.368	655.1	11.78	1.361	655.0	11.15	1.354	654.8	10.58	1.333 1.348	654.6
240	12.86	1.383	665.4	12.13	1.376	665.3	11.49	1.369	665.2	10.90	1.363	665.0
260	13.24	1.397	675.7	12.48	1.391	675.6	11.83	1.384	675.5	11.23	1.378	675.4
280	13.62	1.412	686.0	12.84	1.405	685.9	12.17	1.398	685.8	11.55	1.392	685.7
		<u> </u>					<u> </u>			33	- 33-	
	İ									1		
		42 [14.4]			44 [16.4]			46 [18.4]			48 [20.3]	
Sat.	6.67		542.3	6.38		542.8	6.12		543.3	5.88		543.8
		1.145	-		[16.4]	-		[18.4]			[20.3]	543.8
20	6.81	[14.4] 1.145 1.152	545.8	6.47	[16.4] 1.141 1.145	545.1	6.15	[18.4] 1.137 1.139	544.3		1.133	,
		1.145	-		[16.4]	-		[18.4]			[20.3]	550.0
20 30	6.81 7.00 7.17	1.145 1.152 1.165	545.8 551.9	6.47 6.65	[16.4] 1.141 1.145 1.158	545.1 551.3	6.15 6.33	[18.4] 1.137 1.139 1.152	544·3 550.6 556.7	6.06 6.22	[20.3] 1.133 1.146 1.158	550.0 556.1
20 30 40	6.81 7.00	1.145 1.152 1.165 1.177	545.8 551.9 557.9	6.47 6.65 6.82	[16.4] 1.141 1.145 1.158 1.170	545.1 551.3 557.3 563.2 569.0	6.15 6.33 6.51	[18.4] 1.137 1.139 1.152 1.164	544·3 550.6	6.06	[20.3] 1.133	550.0
20 30 40 50 60 70	6.81 7.00 7.17 7.34 7.51 7.68	[14-4] 1.145 1.152 1.165 1.177 1.188 1.199 1.210	545.8 551.9 557.9 563.7 569.5 575.1	6.47 6.65 6.82 6.99 7.16 7.32	[16.4] 1.141 1.145 1.158 1.170 1.182 1.193 1.204	545.1 551.3 557.3 563.2	6.15 6.33 6.51 6.68	[18.4] 1.137 1.139 1.152 1.164 1.176 1.187 1.198	544.3 550.6 556.7 562.6	6.06 6.22 6.38	[20.3] 1.133 1.146 1.158	550.0 556.1 562.0 567.9
20 30 40 50 60 70 80	6.81 7.00 7.17 7.34 7.51 7.68 7.85	[14-4] 1.145 1.152 1.165 1.177 1.188 1.199 1.210 1.220	545.8 551.9 557.9 563.7 569.5 575.1 580.6	6.47 6.65 6.82 6.99 7.16 7.32 7.48	[16.4] 1.141 1.145 1.158 1.170 1.182 1.193 1.204 1.214	545.1 551.3 557.3 563.2 569.0 574.6 580.2	6.15 6.33 6.51 6.68 6.84	[18.4] 1.137 1.139 1.152 1.164 1.176 1.187	544.3 550.6 556.7 562.6 568.4	6.06 6.22 6.38 6.54 6.69 6.84	[20.3] 1.133 1.146 1.158 1.170 1.182	550.0 556.1 562.0 567.9 573.6
20 30 40 50 60 70	6.81 7.00 7.17 7.34 7.51 7.68	[14-4] 1.145 1.152 1.165 1.177 1.188 1.199 1.210	545.8 551.9 557.9 563.7 569.5 575.1	6.47 6.65 6.82 6.99 7.16 7.32	[16.4] 1.141 1.145 1.158 1.170 1.182 1.193 1.204	545.1 551.3 557.3 563.2 569.0 574.6	6.15 6.33 6.51 6.68 6.84 6.99	[18.4] 1.137 1.139 1.152 1.164 1.176 1.187 1.198	544.3 550.6 556.7 562.6 568.4 574.1	6.06 6.22 6.38 6.54 6.69	[20.3] 1.133 1.146 1.158 1.170 1.182 1.193	550.0 556.1 562.0 567.9 573.6 579.3
20 30 40 50 60 70 80 90	6.81 7.00 7.17 7.34 7.51 7.68 7.85 8.02	1.145 1.152 1.165 1.177 1.188 1.199 1.210 1.220 1.230	545.8 551.9 557.9 563.7 569.5 575.1 580.6 586.0	6.47 6.65 6.82 6.99 7.16 7.32 7.48 7.64	[16.4] I.141 I.145 I.158 I.170 I.182 I.193 I.204 I.214 I.224	545.1 551.3 557.3 563.2 569.0 574.6 580.2 585.7	6.15 6.33 6.51 6.68 6.84 6.99 7.14 7.29	[18.4] 1.137 1.139 1.152 1.164 1.176 1.187 1.198 1.209 1.219	544·3 550.6 556.7 562.6 568.4 574.1 579.7 585.3 590.8	6.06 6.22 6.38 6.54 6.69 6.84 6.98	[20.3] 1.133 1.146 1.158 1.170 1.182 1.193 1.203 1.213	550.0 556.1 562.0 567.9 573.6 579.3 584.9
20 30 40 50 60 70 80 90 100	6.81 7.00 7.17 7.34 7.51 7.68 7.85 8.02 8.18 8.34	[14-4] 1.145 1.152 1.165 1.177 1.188 1.199 1.210 1.220 1.230 1.240 1.250	545.8 551.9 557.9 563.7 569.5 575.1 580.6 586.0	6.47 6.65 6.82 6.99 7.16 7.32 7.48 7.64 7.80	[16.4] I.141 I.145 I.158 I.170 I.182 I.193 I.204 I.214 I.224 I.234 I.244	545.1 551.3 557.3 563.2 569.0 574.6 580.2 585.7 591.1 596.5	6.15 6.33 6.51 6.68 6.84 6.99 7.14 7.29 7.44 7.59	[18.4] 1.137 1.139 1.152 1.164 1.176 1.187 1.198 1.209 1.219 1.229 1.238	544·3 550.6 556.7 562.6 568.4 574·1 579·7 585·3 590.8 596.2	6.06 6.22 6.38 6.54 6.69 6.84 6.98	[20.3] 1.133 1.146 1.158 1.170 1.182 1.193 1.203 1.213 1.223 1.223	550.0 556.1 562.0 567.9 573.6 579.3 584.9 590.4
20 30 40 50 60 70 80 90 100	6.81 7.00 7.17 7.34 7.51 7.68 7.85 8.02 8.18 8.34 8.50	1.145 1.152 1.165 1.177 1.188 1.199 1.210 1.220 1.230	545.8 551.9 557.9 563.7 569.5 575.1 580.6 586.0	6.47 6.65 6.82 6.99 7.16 7.32 7.48 7.64 7.80 7.95 8.10	[16.4] I.141 I.145 I.158 I.170 I.182 I.193 I.204 I.214 I.224 I.234 I.253	545.1 551.3 557.3 563.2 569.0 574.6 580.2 585.7 591.1 596.5 601.9	6.15 6.33 6.51 6.68 6.84 6.99 7.14 7.29 7.44 7.59 7.74	[18.4] 1.137 1.139 1.152 1.164 1.176 1.187 1.198 1.209 1.219 1.229 1.228 1.248	544.3 550.6 556.7 562.6 568.4 574.1 579.7 585.3 590.8 596.2 601.6	6.06 6.22 6.38 6.54 6.69 6.84 6.98 7.13 7.27 7.42	[20.3] 1.133 1.146 1.158 1.170 1.182 1.193 1.203 1.213 1.223 1.223 1.223	550.0 556.1 562.0 567.9 573.6 579.3 584.9 590.4 595.9
20 30 40 50 60 70 80 90 100 110	6.81 7.00 7.17 7.34 7.51 7.68 7.85 8.02 8.18 8.34	[14-4] 1.145 1.152 1.165 1.177 1.188 1.199 1.210 1.220 1.230 1.240 1.250	545.8 551.9 557.9 563.7 569.5 575.1 580.6 586.0	6.47 6.65 6.82 6.99 7.16 7.32 7.48 7.64 7.80	[16.4] I.141 I.145 I.158 I.170 I.182 I.193 I.204 I.214 I.224 I.234 I.244	545.1 551.3 557.3 563.2 569.0 574.6 580.2 585.7 591.1 596.5	6.15 6.33 6.51 6.68 6.84 6.99 7.14 7.29 7.44 7.59	[18.4] 1.137 1.139 1.152 1.164 1.176 1.187 1.198 1.209 1.219 1.229 1.238	544·3 550.6 556.7 562.6 568.4 574·1 579·7 585·3 590.8 596.2	6.06 6.22 6.38 6.54 6.69 6.84 6.98	[20.3] 1.133 1.146 1.158 1.170 1.182 1.193 1.203 1.213 1.223 1.223	550.0 556.1 562.0 567.9 573.6 579.3 584.9 590.4 595.9 601.3 606.6
20 30 40 50 60 70 80 90 100 110 120 130 140	6.81 7.00 7.17 7.34 7.51 7.68 7.85 8.02 8.18 8.34 8.50 8.66 8.82	[14-4] 1.145 1.152 1.165 1.177 1.188 1.199 1.210 1.220 1.230 1.240 1.250 1.259 1.268 1.277	545.8 551.9 557.9 563.7 563.7 575.1 580.6 586.0 591.5 596.9 602.2 607.5 612.7	6.47 6.65 6.82 6.99 7.16 7.32 7.48 7.64 7.80 7.95 8.10 8.26 8.41	[16.4] I.141 I.145 I.158 I.170 I.182 I.193 I.204 I.214 I.224 I.234 I.245 I.253 I.262 I.271	545.1 551.3 557.3 563.2 569.0 574.6 580.2 585.7 591.1 596.5 601.9 607.2 612.5	6.15 6.33 6.51 6.68 6.84 6.99 7.14 7.29 7.44 7.59 7.74 7.89	[18.4] 1.137 1.139 1.152 1.164 1.176 1.187 1.198 1.209 1.219 1.228 1.248 1.257 1.266	544.3 550.6 556.7 562.6 568.4 574.1 579.7 585.3 590.8 596.2 601.6 606.9	6.06 6.22 6.38 6.54 6.69 6.84 6.98 7.13 7.27 7.42 7.56 7.70	[20.3] 1.133 1.146 1.158 1.170 1.182 1.193 1.203 1.213 1.223 1.223 1.242 1.251	550.0 556.1 562.0 567.9 573.6 579.3 584.9 590.4 595.6 601.3 606.6
20 30 40 50 60 70 80 90 100 110 120 140	6.81 7.00 7.17 7.34 7.51 7.68 7.85 8.02 8.18 8.34 8.50 8.66 8.82 8.98	[14-4] 1.145 1.152 1.165 1.177 1.188 1.199 1.210 1.220 1.230 1.240 1.250 1.259 1.268 1.277	545.8 551.9 557.9 563.7 563.7 575.1 580.6 586.0 591.5 596.9 602.2 607.5 612.7 618.0	6.47 6.65 6.82 6.99 7.132 7.48 7.64 7.80 7.95 8.10 8.26 8.41	[16.4] I.141 I.145 I.158 I.170 I.182 I.193 I.204 I.214 I.224 I.234 I.244 I.253 I.262 I.271 I.280	545.1 551.3 557.3 563.2 569.0 574.6 580.2 585.7 591.1 596.5 601.9 607.2 612.5	6.15 6.33 6.51 6.68 6.84 6.99 7.14 7.29 7.44 7.59 7.74 7.89 8.04	[18.4] 1.137 1.139 1.152 1.164 1.176 1.187 1.198 1.209 1.219 1.228 1.248 1.257 1.266 1.275	544.3 550.6 556.7 562.6 568.4 579.7 585.3 590.8 590.8 596.2 601.6 606.9 612.2	6.06 6.22 6.38 6.54 6.69 6.84 6.98 7.13 7.27 7.42 7.56 7.70	[20.3] 1.133 1.146 1.158 1.170 1.182 1.193 1.203 1.213 1.223 1.223 1.225 1.251 1.260 1.269	550.0 556.1 562.0 567.9 573.6 579.3 584.9 595.9 601.3 606.6 611.9
20 30 40 50 60 70 80 90 110 1120 1130 1140	6.81 7.90 7.17 7.34 7.51 7.68 8.02 8.18 8.34 8.34 8.34 8.82 8.98 9.14	1.145 1.152 1.165 1.177 1.188 1.199 1.210 1.220 1.230 1.250 1.259 1.268 1.277	545.8 551.9 557.9 563.7 569.5 575.1 580.6 586.0 591.5 596.9 602.2 607.5 612.7 618.0 623.2	6.47 6.65 6.82 6.99 7.16 7.32 7.48 7.64 7.80 7.95 8.26 8.41	[16.4] I.141 I.145 I.158 I.170 I.182 I.193 I.204 I.214 I.224 I.234 I.253 I.262 I.271 I.280 I.289	545.1 551.3 557.3 563.2 569.0 574.6 580.2 585.7 591.1 596.5 601.9 607.2 612.5 617.7 623.0	6.15 6.33 6.51 6.68 6.84 6.99 7.14 7.29 7.44 7.59 7.74 7.89 8.04 8.18	[18.4] 1.137 1.139 1.152 1.164 1.176 1.187 1.198 1.209 1.219 1.229 1.228 1.248 1.257 1.266 1.275 1.283	544.3 550.6 556.7 562.6 568.4 579.7 585.3 590.8 596.2 601.6 606.9 612.2 617.5 622.8	6.06 6.22 6.38 6.54 6.69 6.84 6.98 7.13 7.27 7.42 7.56 7.70	[20.3] 1.133 1.146 1.158 1.170 1.182 1.193 1.213 1.223 1.223 1.223 1.251 1.260 1.269 1.278	550.0 556.1 562.0 567.9 573.6 579.3 584.9 590.4 595.9 601.3 606.6 611.9
20 30 40 50 60 70 80 90 110 1120 1130 1140	6.81 7.00 7.17 7.34 7.51 7.68 7.85 8.02 8.18 8.34 8.50 8.66 8.82 8.98 9.14	[144] 1.145 1.152 1.165 1.177 1.188 1.199 1.210 1.220 1.230 1.240 1.259 1.268 1.277 1.286 1.294 1.303	545.8 551.9 557.9 563.7 569.5 575.1 580.6 586.0 591.5 596.2 607.5 612.7 618.0 623.2 628.4	6.47 6.65 6.82 6.99 7.16 7.32 7.48 7.64 7.80 7.95 8.10 8.26 8.41 8.56 8.71 8.86	[16.4] 1.141 1.145 1.158 1.170 1.182 1.193 1.204 1.214 1.224 1.234 1.244 1.253 1.262 1.271 1.280 1.289 1.297	545.1 551.3 557.3 563.2 569.0 574.6 580.2 585.7 591.1 596.5 601.9 607.2 612.5	6.15 6.33 6.51 6.68 6.84 6.99 7.14 7.29 7.44 7.59 8.04 8.18 8.32 8.47	[18.4] 1.137 1.139 1.152 1.164 1.176 1.187 1.198 1.209 1.219 1.229 1.238 1.248 1.257 1.266 1.275 1.283 1.292	544.3 550.6 556.7 562.6 568.4 579.7 585.3 590.8 596.2 601.6 606.9 612.2 617.5 622.8 628.0	6.06 6.22 6.38 6.54 6.69 6.84 6.98 7.13 7.27 7.42 7.56 7.70 7.84 7.98 8.12	[20.3] 1.133 1.146 1.158 1.170 1.182 1.193 1.203 1.213 1.223 1.223 1.225 1.250 1.260 1.269 1.278 1.286	550.0 556.1 562.0 567.9 579.3 584.9 590.4 595.9 601.3 606.6 611.9
20 30 40 50 60 70 80 90 100 110 1120 1140 150 1160 1170 1180	6.81 7.90 7.17 7.34 7.51 7.68 8.02 8.18 8.34 8.34 8.34 8.82 8.98 9.14	1.145 1.152 1.165 1.177 1.188 1.199 1.210 1.220 1.230 1.250 1.259 1.268 1.277	545.8 551.9 557.9 563.7 569.5 575.1 580.6 586.0 591.5 596.9 602.2 607.5 612.7 618.0 623.2	6.47 6.65 6.82 6.99 7.16 7.32 7.48 7.64 7.80 7.95 8.26 8.41	[16.4] I.141 I.145 I.158 I.170 I.182 I.193 I.204 I.214 I.224 I.234 I.253 I.262 I.271 I.280 I.289	545.1 551.3 557.3 563.2 569.0 574.6 580.2 585.7 591.1 596.5 601.9 607.2 612.5 617.7 623.0	6.15 6.33 6.51 6.68 6.84 6.99 7.14 7.29 7.44 7.59 7.74 7.89 8.04 8.18	[18.4] 1.137 1.139 1.152 1.164 1.176 1.187 1.198 1.209 1.219 1.229 1.228 1.248 1.257 1.266 1.275 1.283	544.3 550.6 556.7 562.6 568.4 579.7 585.3 590.8 596.2 601.6 606.9 612.2 617.5 622.8	6.06 6.22 6.38 6.54 6.69 6.84 6.98 7.13 7.27 7.42 7.56 7.70	[20.3] 1.133 1.146 1.158 1.170 1.182 1.193 1.213 1.223 1.223 1.223 1.251 1.260 1.269 1.278	550.0 556.1 562.0 567.9 573.5 579.3 584.9 590.4 595.9 601.3 606.6 611.9
20 30 40 50 60 70 80	6.81 7.00 7.17 7.34 7.51 7.68 7.85 8.02 8.18 8.34 8.56 8.82 8.98 9.14 9.30	[144] 1.145 1.152 1.165 1.177 1.188 1.199 1.210 1.220 1.230 1.240 1.250 1.250 1.250 1.268 1.277 1.286 1.294 1.303 1.311	545.8 551.9 557.9 563.7 569.5 575.1 580.6 586.0 591.5 596.2 607.5 612.7 618.0 623.2 628.4 633.7	6.47 6.65 6.82 6.99 7.16 7.32 7.48 7.64 7.80 7.95 8.10 8.26 8.41 8.56 8.71 8.86 9.01	[16.4] 1.141 1.145 1.158 1.170 1.182 1.193 1.204 1.214 1.224 1.234 1.244 1.253 1.262 1.271 1.280 1.289 1.297 1.305	545.1 551.3 557.3 563.2 569.0 574.6 580.2 585.7 591.1 596.5 601.9 607.2 612.5	6.15 6.33 6.51 6.68 6.84 6.99 7.14 7.59 7.44 7.59 8.04 8.18 8.32 8.47 8.61	[18.4] 1.137 1.139 1.152 1.164 1.176 1.187 1.198 1.209 1.219 1.228 1.248 1.257 1.266 1.275 1.283 1.292 1.300	544.3 550.6 556.7 562.6 568.4 579.7 585.3 590.8 590.8 590.2 601.6 606.9 612.2 617.5 622.8 628.0 638.5	6.06 6.22 6.38 6.54 6.69 6.84 6.98 7.13 7.27 7.42 7.56 7.70 7.84 7.98 8.12 8.25 8.39	[20.3] 1.133 1.146 1.158 1.170 1.182 1.193 1.203 1.213 1.223 1.233 1.242 1.251 1.260 1.269 1.278 1.286 1.295	550.0 556.1 562.0 567.9 573.6 579.3 584.9 590.4 595.9 601.3 606.6 611.9 617.2 622.5 627.8 633.1 638.3
20 30 40 50 60 70 80 90 100 110 150 1170 1180 1190 1220 1190	6.81 7.00 7.17 7.34 7.51 7.68 7.85 8.02 8.18 8.34 8.56 8.82 8.98 9.14 9.45 9.61	[14-4] 1.145 1.152 1.165 1.177 1.188 1.199 1.210 1.220 1.230 1.240 1.250 1.259 1.268 1.277 1.286 1.294 1.303 1.311 1.319	545.8 551.9 557.9 563.7 563.7 550.5 575.1 580.6 586.0 591.5 596.9 602.2 607.5 612.7 618.0 623.2 628.4 633.7 638.9	6.47 6.65 6.82 6.99 7.16 7.32 7.48 7.64 7.80 7.95 8.10 8.26 8.41 8.56 8.71 8.86 9.01	[16.4] I.141 I.145 I.158 I.170 I.182 I.193 I.204 I.214 I.224 I.234 I.244 I.253 I.262 I.271 I.280 I.289 I.297 I.305 I.313	545.1 551.3 557.3 563.2 569.0 574.6 580.2 585.7 591.1 596.5 601.9 607.2 612.5 617.7 623.0 628.2 633.7	6.15 6.33 6.51 6.68 6.84 6.99 7.14 7.29 7.44 7.59 7.74 7.89 8.04 8.18 8.32 8.47 8.61 8.76	[18.4] 1.137 1.139 1.152 1.164 1.176 1.187 1.198 1.209 1.219 1.228 1.248 1.257 1.266 1.275 1.283 1.292 1.300 1.308	544.3 550.6 556.7 562.6 568.4 574.1 579.7 585.3 590.8 596.2 601.6 606.9 612.2 617.5 622.8 628.0 633.3	6.06 6.22 6.38 6.54 6.69 6.84 6.98 7.13 7.27 7.42 7.56 7.70 7.84 7.98 8.12 8.25	[20.3] 1.133 1.146 1.158 1.170 1.182 1.193 1.203 1.213 1.223 1.223 1.242 1.251 1.260 1.260 1.278 1.286 1.295 1.303	550.0 556.1 562.0 567.9 573.6 579.3 584.9 590.4 595.9 601.3 606.6 611.9
20 30 40 50 60 70 80 90 110 110 110 110 110 110 110 110 110	6.81 7.00 7.17 7.34 7.51 7.68 7.85 8.02 8.18 8.34 8.50 8.66 8.82 8.98 9.14 9.45 9.45 9.45 9.61	[144] 1.145 1.152 1.165 1.177 1.188 1.199 1.210 1.220 1.230 1.240 1.259 1.268 1.277 1.286 1.294 1.303 1.311 1.319 1.327	545.8 551.9 557.9 563.7 563.7 575.1 580.6 586.0 591.5 596.9 602.2 607.5 612.7 618.0 623.2 623.2 623.2 623.2 623.2 623.2 623.2 623.2 624.1 649.3 654.5	6.47 6.65 6.82 6.99 7.16 7.32 7.48 7.64 7.80 7.95 8.26 8.41 8.56 8.71 8.86 9.01 9.16	[16.4] 1.141 1.145 1.158 1.170 1.182 1.193 1.204 1.214 1.224 1.234 1.244 1.253 1.262 1.271 1.280 1.289 1.297 1.305 1.313	545.1 551.3 557.3 563.2 569.6 574.6 580.2 585.7 591.1 596.5 601.9 607.2 612.5 617.7 623.0 628.2 633.5 638.7 643.9 649.1 654.3	6.15 6.33 6.51 6.68 6.84 6.99 7.14 7.29 7.44 7.89 8.04 8.32 8.47 8.61 8.76 8.90 9.04 9.18	[18.4] 1.137 1.139 1.152 1.164 1.176 1.187 1.198 1.209 1.219 1.228 1.248 1.256 1.275 1.283 1.292 1.300 1.308 1.316 1.324 1.331	544.3 550.6 556.7 562.6 568.4 579.7 585.3 590.8 590.2 601.6 606.9 612.2 617.5 622.8 628.0 633.3 638.5 643.7 648.9 654.1	6.06 6.22 6.38 6.54 6.69 6.84 6.98 7.13 7.27 7.42 7.56 7.70 7.84 7.98 8.12 8.25 8.39	[20.3] 1.133 1.146 1.158 1.170 1.182 1.193 1.203 1.213 1.223 1.233 1.233 1.251 1.260 1.269 1.278 1.286 1.295 1.303 1.311	550.1 556.1 562.0 567.9 573.6 579.3 584.9 590.4 595.9 601.9 617.2 622.5 627.8 633.1 638.3
20 30 40 50 60 70 80 90 110 110 110 110 110 110 110 110 110	6.81 7.00 7.17 7.34 7.51 7.85 8.02 8.18 8.34 8.50 8.66 8.82 9.14 9.30 9.45 9.61 9.76 9.92 10.08	[14-4] 1.145 1.152 1.165 1.177 1.188 1.199 1.210 1.220 1.230 1.240 1.250 1.259 1.268 1.277 1.286 1.294 1.303 1.311 1.319 1.327 1.335 1.342 1.357	545.8 551.9 557.9 563.7 563.7 580.6 586.0 591.5 596.9 602.2 607.5 612.7 618.0 623.2 623.2 623.2 623.4 633.7 638.9 644.1 649.3 654.5 664.9	6.47 6.65 6.82 6.99 7.32 7.48 7.64 7.80 7.95 8.10 8.26 8.41 8.56 8.71 8.86 9.01 9.16	[16.4] I.141 I.145 I.158 I.170 I.182 I.193 I.204 I.214 I.224 I.234 I.244 I.253 I.262 I.271 I.280 I.289 I.297 I.305 I.313 I.321 I.321 I.329 I.337 I.352	545.1 551.3 557.3 563.2 569.6 574.6 580.2 585.7 591.1 596.5 601.9 607.2 612.5 617.7 623.0 628.2 633.5 638.7 644.9 654.3 664.7	6.15 6.33 6.51 6.68 6.84 6.99 7.14 7.29 7.44 7.59 8.04 8.18 8.32 8.47 8.61 8.76 8.90 9.04	[18.4] 1.137 1.139 1.152 1.164 1.176 1.187 1.198 1.209 1.219 1.228 1.248 1.257 1.266 1.275 1.283 1.292 1.300 1.308 1.316 1.324 1.331 1.346	544.3 550.6 556.7 562.6 568.4 579.7 585.3 590.8 590.8 596.2 601.6 606.9 612.2 617.5 622.8 628.8 633.3 638.5 643.7 648.9 654.1 664.6	6.06 6.22 6.38 6.54 6.69 6.84 6.98 7.13 7.27 7.42 7.56 7.70 7.84 8.12 8.25 8.39 8.53 8.67	[20.3] 1.133 1.146 1.158 1.170 1.182 1.193 1.203 1.213 1.223 1.233 1.242 1.251 1.260 1.269 1.278 1.286 1.295 1.303	556.1 562.0 567.0 579.3 584.9 590.4 590.4 590.6 601.9 617.2 622.5 627.8 633.1 638.3
20 30 40 50 60 70 80 90 110 120 140 150 160 170 180 190 200 210 220	6.81 7.00 7.17 7.34 7.51 7.68 7.85 8.02 8.18 8.34 8.50 8.66 8.82 8.98 9.14 9.45 9.45 9.45 9.61	[144] 1.145 1.152 1.165 1.177 1.188 1.199 1.210 1.220 1.230 1.240 1.250 1.259 1.268 1.277 1.286 1.294 1.303 1.311 1.319 1.327 1.335 1.342	545.8 551.9 557.9 563.7 563.7 575.1 580.6 586.0 591.5 596.9 602.2 607.5 612.7 618.0 623.2 623.2 623.2 623.2 623.2 623.2 623.2 623.2 624.1 649.3 654.5	6.47 6.65 6.82 6.99 7.16 7.32 7.48 7.64 7.80 7.95 8.10 8.26 8.71 8.56 8.71 8.80 9.16	[16.4] 1.141 1.145 1.158 1.170 1.182 1.193 1.204 1.214 1.224 1.234 1.244 1.253 1.262 1.271 1.280 1.289 1.305 1.313	545.1 551.3 557.3 563.2 569.6 574.6 580.2 585.7 591.1 596.5 601.9 607.2 612.5 617.7 623.0 628.2 633.5 638.7 643.9 649.1 654.3	6.15 6.33 6.51 6.68 6.84 6.99 7.14 7.29 7.44 7.89 8.04 8.32 8.47 8.61 8.76 8.90 9.04 9.18	[18.4] 1.137 1.139 1.152 1.164 1.176 1.187 1.198 1.209 1.219 1.228 1.248 1.256 1.275 1.283 1.292 1.300 1.308 1.316 1.324 1.331	544.3 550.6 556.7 562.6 568.4 579.7 585.3 590.8 590.2 601.6 606.9 612.2 617.5 622.8 628.0 633.3 638.5 643.7 648.9 654.1	6.06 6.22 6.38 6.54 6.69 6.84 6.98 7.13 7.27 7.42 7.56 7.70 7.84 7.98 8.12 8.39 8.53 8.67 8.80	[20.3] 1.133 1.146 1.158 1.170 1.182 1.193 1.203 1.213 1.223 1.233 1.242 1.250 1.269 1.278 1.286 1.295 1.303	550.6 556.1 562.6 567.3 579.3 584.5 590.4 595.6 601.3 606.6 611.5 622.5 627.8 633.1 643.8 643.8 643.8

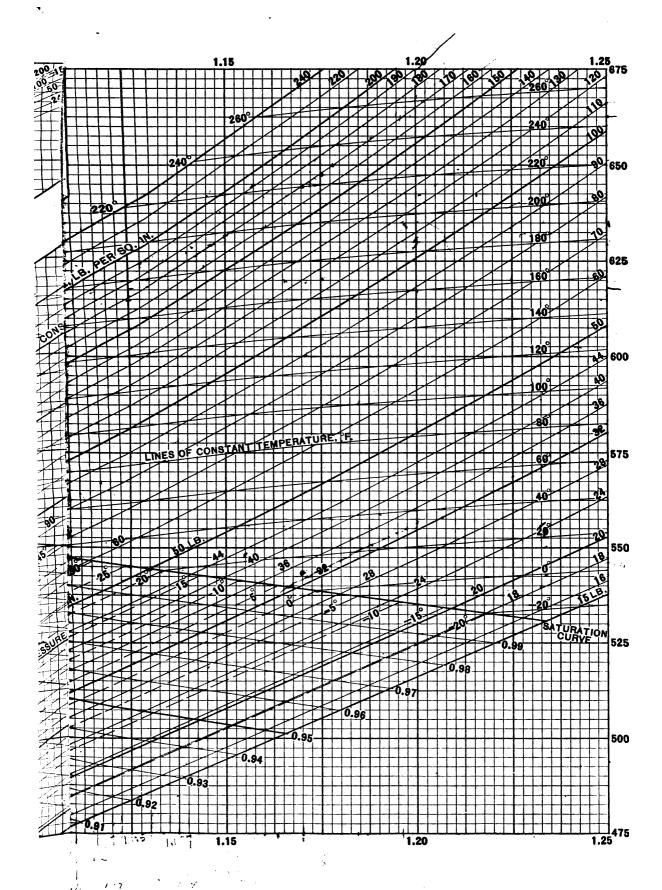
Pres-	[22.1]				55 [26.4]			60 [30.5]			65 [34-3]	
Temp	▼	8.	. 1	V	8	i	▼		i	▼	8	i
Sat.	5.67	1.130	544-3	5.18	1.122	545.3	4.77	1.114	546.3	4.42	1.107	547.2
30 40	5.80 5.96	1.140	549·4 555·5	5.23 5.38	1.126	547.6 554.0	4.90	1.127	552·5	4.50	1.115	551.0
50 60	6.11	1.165	561.5 567.4	5.52 5.66	1.151	560.1 566.1	5.03 5.16	1.139	558.8 564.9	4.62 4.74	1.128	557.4 563.6
70 80 90	6.41 6.55 6.69	1.187	573.2 578.9 584.5	5.80 5.93 6.06	1.174 1.185 1.196	572.0 577.8 583.5	5.29 5.41 5.53	1.162 1.173 1.184	570.9 576.8 582.6	4.86 4.97 5.08	1.151 1.162 1.173	569.7 575.7 581.6
100	6.83 6.97	1.218	590.0 595.5	6.19	1.206	589.1 594.7	5.65 5.77	1.194	588.2 593.8	5.19 5.30	1.184	587.3 593.0
120 130	7.11 7.24	I.237 I.246	601.0 606.4	6.45 6.57	1.225	600.2 605.6	5.88 6.00	1.214	599.4 604.9	5.41 5.52	1.204	598.7 604.2
140 150	7.38 7.51	1.255	611.7	6.69	1.244	611.0	6.11	1.233	615.8	5.63 5.73	1.222	615.2
160 170 180	7.65 7.78 7.91	1.273 1.281 1.290	622.3 627.6 632.9	6.94 7.06 7.18	1.261 1.270 1.278	621.7 627.0 632.3	6.34 6.46 6.57	1.250 1.259 1.267	621.1 626.5 631.8	5.84 5.95 6.05	1.240 1.249 1.257	620.6 626.0 631.3
190 200	8.04	1.298	643.3	7.30	1.286	637.6	6.68	1.275	637.1 642.4	6.15	1.265	636.6 641.9
210 220 240	8.30 8.43 8.69	1.314 1.321 1.336	648.6 653.9 664.4	7.54 7.66 7.89	1.302 1.310 1.325	648.2 653.5 664.0	6.90 7.01 7.22	1.291 1.299 1.315	647.7 653.0 663.6	6.36 6.46 6.66	1.282 1.289 1.305	647.3 652.6 663.2
260 280	8.95 9.21	1.351	674.8 685.2	8.13	1.340	674.4	7.66	1.329	674.1 684.6	7.06	1.320	673.7 684.3
300	9-47	1.380	695.7	8.60	1.368	695.4	7.87	1.358	695.1	7.26	1.348	694.9
		70 [37.9]			75 [41.3]			80 [44-5]			85 [47.6]	
Sat.	4.12	1.101	548.1	3.86	1.095	548.8	3.63	1.090	549-5	3-43	1.085	550.2
50 60 70	4.27 4.38 4.49	1.117 1.129 1.141	556.0 562.4 568.6	3.96 4.07 4.18	1.107	554.7 561.1 567.4	3.69 3.80 3.90	1.097 1.110 1.122	553.3 559.9 566.3	3.45 3.55 3.65	1.088	551.9 558.6 565.1
-80 90	4.60 4.70	1.152	574·7 580.7	4.28	1.143	573.6 579.7	4.00	1.134	572.6 578.7	3.74 3.83	1.125	571.5 577.7
100 110	4.81 4.91	1.174	586.5 592.2	4.48 4.57	1.165	585.6 591.4	4.18 4.27	1.156	584.7 590.5	3.92 4.00	1.148	583.8 589.7
120 130 140	5.01 5.11 5.21	1.194 1.204 1.213	597.9 603.5 609.1	4.67 4.76 4.85	1.185 1.195 1.204	597.1 602.8 608.4	4.36 4.45 4.53	1.176 1.186 1.196	596.3 602.1 607.8	4.09 4.17 4.25	1.168 1.178 1.188	595.6 601.4 607.1
150 160	5.31 5.41	1.222	614.6 620.0	4.94 5.04	1.213	614.0 619.4	4.62 4.71	1.205 1.214	613.4 618.9	4·34 4·42	1.197 1.206	612.7 618.3
170 180 190	5.51 5.60 5.70	1.240 1.248 1.256	625.4. 630.8 636.2	5.13 5.22 5.31	1.231 1.240 1.248	624.8 630.3 635.7	4.79 4.88 4.96	1.223 1.231 1.240	624.3 629.8 635.3	4.50 4.58 4.66	1.215 1.224 1.232	623.8 629.3 634.8
200 210	5.80 5.89	1.265	641.5 646.9	5.40 5.49	1.256 1.264	641.0 646.4	5.04 5.13	1.248	640.6 646.0	4.74 4.82	1.240	640.2 645.6
220 230 240	5.98 6.08 6.17	1.280 1.288 1.296	652.2 657.5 662.8	5.58 5.66 5.75	1.272 1.280 1.288	651.7 657.1 662.4	5.22 5.30 5.38	1.264 1.272 1.280	651.3 656.7 6 62.0	4.90 4.98 5.06	1.256 1.264 1.272	650.9 656.3 661.6
260 280	6.36 6.55	1.311	673.4 684.0	5.93 6.10	1.303	673.0 683.7	5.55 5.71	1.295	672.7 683.4	5.22 5.37	1.287	672.4 683.1
300 320	6.73 6.91	1.339	694.6 705.3	6.27 6.44	1.331	694.4 705.1	5.87 6.04	1.323	694.1 704.8	5.52 5.68	1.316	693.8 704.5

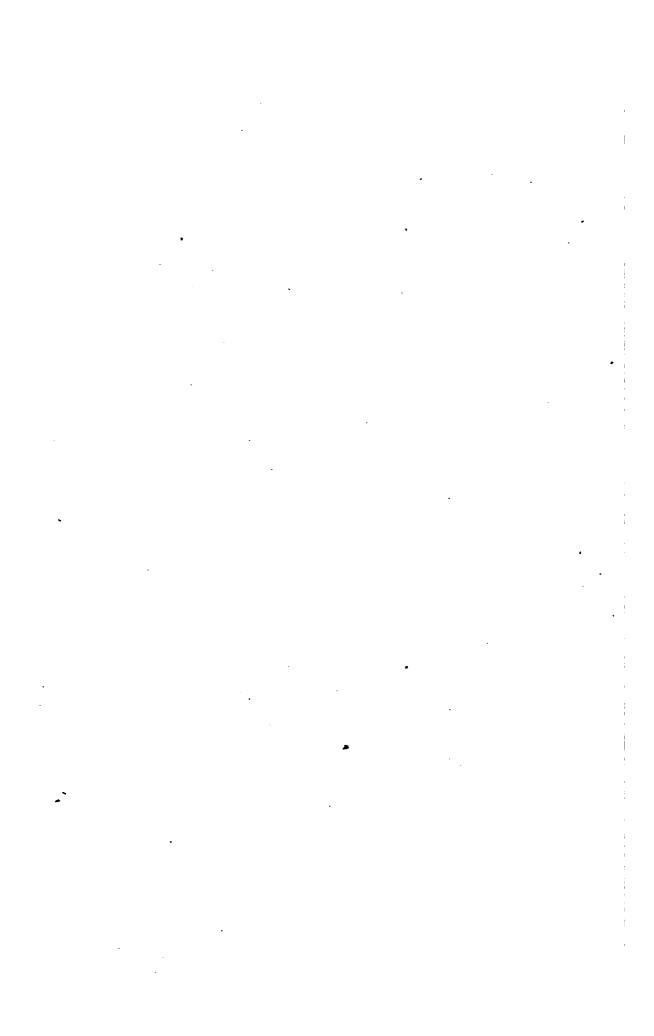
Pres-	[50.5]				95 [53-3]			100 [56.0]			105 [58.6]	
Temp F.	•	8	i	V		i	•	8	i	٧		i
Sat.	3.25	1.080	550.9	3.08	1.075	551.5	2.94	1.071	552.1	2.80	1.067	552.6
60 70 80	3.33 3.42 3.51	1.092 1.105 1.117	557.4 564.0 570.5	3.14 3.23 3.31	1.084 1.097 1.109	556.1 562.8 569.4	2.97 3.05 3.13	1.076 1.089 1.102	554.9 561.7 568.4	2.81 2.89 2.97	1.069 1.082 1.095	553.6 560.6 567.3
90 100	3.60 3.69	1.129	576.8 582.9	3.40	1.121	575.8	3.21	1.114	574.8	3.05	1.107	573.8
110 120	3.77 3.85	1.150	588.9 594.9	3.56	1.143	588.1 594.1	3·37 3·44	1.136	587.2 593.3	3.20	1.129	586.4 592.5
130 140	3.93 4.01	1.171	600.7 606.4	3.71 3.79	1.163	600.0 605.8	3.52 3.59	1.156	599.3 605.1	3.34 3.41	1.150	598.5 604.4
1 50 160	4.09 4.17	1.190	612.1 617.7	3.86 3.94	1.183	611.5 617.1	3.66 3.73	1.176	610.8 616.5	3.48 3.54	1.170 1.179	610.2 616.0
170 180	4.24 4.32	1.208	623.3 628.8	4.01 4.08	I.20I I.2IO	622.7 628.3	3.80 3.87	1.194	622.2 627.8	3.61 3.68	1.188 1.197	621.7 627.3
190 200	4.40	1.225	634.3	4.16	1.218	633.8	3.94	1.212	633.4	3.74	1.206	632.9
210 210 220	4.47 4.55 4.62	1.233	639.8 645.2 650.6	4.23 4.30 4.37	1.226	639.3 644.8 650.2	4.01	1.220 1.228 1.236	638.9 644.4 649.8	3.81 3.87	1.214 1.222 1.230	638.5 644.0 649.4
230 240	4.70 4.77	1.249 1.257 1.265	656.0 661.3	4.37 4.44 4.51	1.243 1.251 1.259	655.6 661.0	4.15 4.21 4.28	1.244 1.252	655.3 660.7	3.94 4.00 4.07	1.238	654.9 660.4
260	4.92	1.280	672.1 682.8	4.65	1.274	671.8	4.41	1.268	671.5 682.2	4.19	1.261	671.2 682.0
280 300	5.06 5.21	1.295	693.5	4.79 4.93	1.303	682.5 693.2	4.54 4.67	1.297	693.0	4.31 4.44	1.291	692.8
320 340	5.36	1.323	704.2 714.9	5.20	1.317	704.0 714.8	4.80 4.93	1.311	703.8 714.6	4.56 4.68	1.305	703.6 714.5
F		110 [61.1]			115 [63.6]			120 [65.8]			125 [68.1]	
Sat.	2.68	1.063	553·I	2.57	1.059	553.6	2.47	1.056	554·I	2.37	1.052	554.6
70 80	2.75 2.83	1.075	559·4 566·2	2.63 2.70	1.068 1.081	558.3 565.2	2.50 2.57	1.061	557.1 564.1	2.38 2.45	1.055	555.9 563.0
90	2.90	1.100	572.9	2.77	1.093	571.9	2.64	1.087	570.9	2.52	1.081	569.9
100 110	2.97 3.04	I.III I.I22	579·3 585·5	2.84	1.105	578.4 584.7	2.71	1.099	577·5 583.9	2.59 2.65	1.093	576.6 583.1
120 130	3.11 3.17	I.I33 I.I44	591.7 597.8	2.97 3.03	1.127	590.9 597.0	2.83	I.12I I.132	590.2 596.3	2.71 2.77	1.115	589.4 595.6
140	3.24	1.154	603.7	3.10	1.148	603.0	2.96	1.142	602.4	2.83	1.136	601.7
1 50	3.31 3.37	1.164 1.173	609.6 615.4	3.16 3.22	1.158 1.167	609.0 614.8	3.02 3.08	1.152 1.161	608.4 614.3	2.89 2.95	1.146 1.156	607.8 613.7
170	3·43 3.50	1.182 1.191	621.1 626.8	3.28 3.34	1.176 1.185	620.6 626.3	3.14 3.19	1.171	620.1 625.8	3.01 3.06	1.165 1.174	619.6 625.4
190	3.56	1.200	632.4	3.40	1.194	632.0	3.25	1.188	631.5	3.11	1.183	631.1
200	3.62 3.69	1.208	638.0 643.5	3.46 3.52	1.203	637.6 643.1	3.31 3.36	1.197	637.1 642.7	3.17 3.22	1.192 1.200	636.7 642.3
220	3.75	1.225	649.0	3.58	1.219	648.6	3.42	1.214	648.2	3.28	1.209	647.9
230 240	3.81 3.87	1.233 1.241	654.5· 660.0	3.64 3.70	1.227	654.2 659.7	3.48 3.54	1.222	653.8 659.4	3.34 3.39	1.217	653.6 659.1
260	3.99	1.256	671.0 681.8	3.82	1.250	670.7 681.5	3.65	1.245	670.4	3.50	1.240	670.2 681.1
280 300	4.11 4.23	1.271	692.6	3.93 4.04	1.265	692.3	3.76 3.87	1.260 1.275	681.3 692.1	3.60 3.71	1.255	691.9
320 340	4·35 4·47	1.299	703.4 714.3	4.16 4.27	1.294 1.307	703.2 714.1	3.98 4.09	1.289	703.0 713.9	3.82 3.92	1.284 1.297	702.8 713.7
860		1.326	725.1	4.38	1.321	724.9	4.20	1.316	724.7	4.03	1.311	724.5

Pres- sure		130 [70,4]			135 [72.5]			140 [74.5]			145 [76.5]	
Temp F.	▼	8	i	▼		i	▼	8	i	•	8	i
Sat.	2.28	1.049	555.0	2.20	1.046	555-5	2.12	1.043	555.9	2.06	1.040	556.3
8o	2.35	1.062	562.0	2.25	1.056	560.9	2.16	1.050	559.9	2.08	1.045	558.9
90	2.42	1.075	568.9	2.32	1.069	567.9	2.23	1.064	566.9	2.14	1.058	566.0
100	2.48	1.087	575.7	2.38	1.081	574.8	2.29	1.076	573-9	2.20	1.071	573.0
110	2.54	1.099	582.3	2.44	1.093	581.5	2.35	1.088	580.7	2.25	1.083	579.9
120	2.60 2.66	1.110	588.7 594.9	2.50 2.55	1.105	587.9 594.2	2.40 2.46	1.099	587.2 593.5	2.30	1.094	586.5 592.9
140	2.72	1.131	601.1	2.61	1.126	600.4	2.51	1.121	599.8	2.41	1.116	€99.2
150	2.77	1.141	607.2	2.66	1.136	606.5	2.56	1.131	605.9	2.46	1.126	605.3
160	2.83	1.151	613.1	2.72	1.146	612.5	2.61	1.141	611.9	2.51	1.136	611.4
170	2.89	1.160	619.0	2.78	1.155	618.4	2.67	1.150	617.9	2.57	1.146	617.4
180	2.94	1.169	624.8	2.83	1.164	624.3	2.72	1.159	623.8	2.62	1.155	623.3
190	2.99	1.178	630.6	2.88	1.173	63 0 .1	2.77	1.168	629.6	2.67	1.164	629.2
200	3.05	1.187	636.2	2.93	1.182	635.8	2.82	1.177	635.3	2.72	1.173	634.9
210	3.10	1.195	641.9	2.98	1.190	641.5	2.87	1.186	641.0	2.76	1.181	640.6
220	3.15	1.204	647.5	3.03	1.199	647.1 652.8	2.92	1.194	646.7	2.81 2.86	1.190	646.3 652.0
230 240	3.21 3.26	1.212	653.2 658.8	3.08 3.13	1.207	658.4	2.97 3.01	1.202 1.210	652.4 658.1	2.90	. 1.206	657.7
250	3.31	1.227	664.4	3.18	1.223	664.0	3.06	1.218	663.7	2.94	1.214	663.3
260	3.36	1.235	669.9	3.23	1.231	669.6	3.11	1.226	669.2	2.99	1.222	668.9
280	3.47	1.250	680.8	3.33	1.246	680.5	3.20	1.241	680.2	3.08	1.237	679.9
300	3.57	1.265	691.7	3.43	1.260	691.4	3.30	1.256	691.1	3.18	1.251	690.8
320	3.67	1.279	702.6	3.53	1.274	702.3	3.39	1.270	702.0	3.27	1.266	701.7
340 360	3.77	1.293	713.5	3.62	1.288	713.2	3.48	1.284	713.0	3.36	1.279	712.7
300	3.87	1.396	724.3	3.72	1.301	724. <u> </u>	3.58	1.297	723.9	3.45	1.293	723.6
		150 [78.5]			155 [80.4]			160 [82.3]			165 [84.1]	
								_				
Sat.	1.99	1.038	556.7	1.93	1.035	557.0	1.87	£.032	557-4	1.81	1.030	557-7
Sat. 90	1.99 2.06	1.038	556.7 565.0	1.93	1.035	557.0 564.0	1.87	1.032	557·4 563.1	1.81		557·7 562.1
		_		1		564.0 571.2		•	1		1.030	1
90 100 110	2.06 2.12 2.17	1.053 1.066 1.078	565.0 572.1 579.0	1.99 2.04 2.09	1.048 1.061 1.073	564.0 571.2 578.2	1.92 1.97 2.02	1.043 1.056 1.068	563.1 570.3 577.4	1.85 1.90 1.95	1.030 1.038 1.051 1.063	562.1 569.4 576.6
90 100 110 120	2.06 2.12 2.17 2.22	1.053 1.066 1.078 1.089	565.0 572.1 579.0 585.7	1.99 2.04 2.09 2.14	1.048 1.061 1.073 1.085	564.0 571.2 578.2 585.0	1.92 1.97 2.02 2.07	1.043 1.056 1.068 1.080	563.1 570.3 577.4 584.2	1.85 1.90 1.95 2.00	1.030 1.038 1.051 1.063 1.075	562.1 569.4 576.6 583.4
90 100 110 120 130	2.06 2.12 2.17 2.22 2.27	1.053 1.066 1.078 1.089 1.100	565.0 572.1 579.0 585.7 592.1	1.99 2.04 2.09 2.14 2.19	1.048 1.061 1.073 1.085 1.096	564.0 571.2 578.2 585.0 591.4	1.92 1.97 2.02 2.07 2.12	1.043 1.056 1.068 1.080 1.091	563.1 570.3 577.4 584.2 590.7	1.85 1.90 1.95 2.00 2.05	1.030 1.038 1.051 1.063 1.075 1.086	562.1 569.4 576.6 583.4 590.0
90 100 110 120 130 140	2.06 2.12 2.17 2.22 2.27 2.33	1.053 1,066 1.078 1.089 1.100 1.111	565.0 572.1 579.0 585.7 592.1 598.5	1.99 2.04 2.09 2.14 2.19 2.25	1.048 1.061 1.073 1.085 1.096 1.107	564.0 571.2 578.2 585.0 591.4 597.8	1.92 1.97 2.02 2.07 2.12 2.17	1.043 1.056 1.068 1.080 1.091 1.102	563.1 570.3 577.4 584.2 590.7 597.2	1.85 1.90 1.95 2.00 2.05 2.10	1.030 1.038 1.051 1.063 1.075 1.086 1.097	562.1 569.4 576.6 583.4 590.0 596.5
90 100 110 120 130 140	2.06 2.12 2.17 2.22 2.27 2.33	1.053 1,066 1.078 1.089 1.100 1.111	565.0 572.1 579.0 585.7 592.1 598.5 604.7	1.99 2.04 2.09 2.14 2.19 2.25	1.048 1.061 1.073 1.085 1.096 1.107	564.0 571.2 578.2 585.0 591.4 597.8 604.1	1.92 1.97 2.02 2.07 2.12 2.17	1.043 1.056 1.068 1.080 1.091 1.102	563.1 570.3 577.4 584.2 590.7 597.2 603.5	1.85 1.90 1.95 2.00 2.05 2.10	1.030 1.038 1.051 1.063 1.075 1.086 1.097	562.1 569.4 576.6 583.4 590.0 596.5
90 100 110 120 130 140 150 160	2.06 2.12 2.17 2.22 2.27 2.33 2.38 2.43	1.053 1,066 1.078 1.089 1.100 1.111 1.121 1.131	565.0 572.1 579.0 585.7 592.1 598.5 604.7 610.8	1.99 2.04 2.09 2.14 2.19 2.25 2.30 2.35	1.048 1.061 1.073 1.085 1.096 1.107	564.0 571.2 578.2 585.0 591.4 597.8 604.1 610.2	1.92 1.97 2.02 2.07 2.12 2.17	1.043 1.056 1.068 1.080 1.091 1.102	563.1 570.3 577.4 584.2 590.7 597.2 603.5 609.7	1.85 1.90 1.95 2.00 2.05 2.10	1.030 1.038 1.051 1.063 1.075 1.086 1.097	562.1 569.4 576.6 583.4 590.0 596.5 602.9 609.1
90 100 110 120 130 140 150 160 170	2.06 2.12 2.17 2.22 2.27 2.33 2.38 2.43 2.48	1.053 1,066 1.078 1.089 1.100 1.111 1.121 1.131 1.141	565.0 572.1 579.0 585.7 592.1 598.5 604.7 610.8 616.8	1.99 2.04 2.09 2.14 2.19 2.25 2.30 2.35 2.39	1.048 1.061 1.073 1.085 1.096 1.107 1.117 1.127 1.137	564.0 571.2 578.2 585.0 591.4 597.8 604.1 610.2 616.3	1.92 1.97 2.02 2.07 2.12 2.17 2.22 2.27 2.31	1.043 1.056 1.068 1.080 1.091 1.102 1.112 1.122 1.132	563.1 570.3 577.4 584.2 590.7 597.2 603.5 609.7 615.8	1.85 1.90 1.95 2.00 2.05 2.10 2.15 2.20 2.24	1.039 1.038 1.051 1.063 1.075 1.086 1.097 1.108 1.128	562.1 569.4 576.6 583.4 596.5 602.9 609.1 615.3
90 100 110 120 130 140 150 160	2.06 2.12 2.17 2.22 2.27 2.33 2.38 2.43	1.053 1,066 1.078 1.089 1.100 1.111 1.121 1.131	565.0 572.1 579.0 585.7 592.1 598.5 604.7 610.8	1.99 2.04 2.09 2.14 2.19 2.25 2.30 2.35	1.048 1.061 1.073 1.085 1.096 1.107	564.0 571.2 578.2 585.0 591.4 597.8 604.1 610.2	1.92 1.97 2.02 2.07 2.12 2.17	1.043 1.056 1.068 1.080 1.091 1.102	563.1 570.3 577.4 584.2 590.7 597.2 603.5 609.7	1.85 1.90 1.95 2.00 2.05 2.10	1.030 1.038 1.051 1.063 1.075 1.086 1.097	562.1 569.4 576.6 583.4 590.0 596.5 602.9 609.1
90 100 110 130 140 160 170 180 190	2.06 2.12 2.17 2.22 2.27 2.33 2.48 2.43 2.53 2.57	1.053 1,066 1.078 1.089 1.100 1.111 1.121 1.131 1.141 1.150 1.159	565.0 572.1 579.0 585.7 592.1 598.5 604.7 616.8 616.8 622.8 622.8	1.99 2.04 2.09 2.14 2.19 2.25 2.30 2.35 2.39 2.44 2.48	1.048 1.061 1.073 1.085 1.096 1.107 1.117 1.117 1.127 1.137	564.0 571.2 578.2 585.0 591.4 597.8 604.1 616.3 622.3 628.2	1.92 1.97 2.02 2.07 2.12 2.17 2.22 2.27 2.31 2.36 2.40	I.043 I.056 I.068 I.080 I.091 I.102 I.112 I.112 I.112 I.112 I.151	563.1 570.3 577.4 584.2 590.7 597.2 603.5 609.7 615.8 621.8	1.85 1.90 1.95 2.00 2.05 2.10 2.15 2.20 2.24 2.28 2.32	1.030 1.038 1.051 1.063 1.075 1.086 1.097 1.108 1.118 1.128 1.138	562.1 569.4 576.6 583.4 590.0 596.5 602.9 609.1 615.3 621.3
90 100 110 120 130 140 160 170 180	2.06 2.12 2.17 2.22 2.27 2.33 2.38 2.43 2.48 2.53	1.053 1,066 1.078 1.089 1.100 1.111 1.121 1.131 1.141 1.150	565.0 572.1 579.0 585.7 592.1 598.5 604.7 610.8 616.8 622.8 628.7 634.5	1.99 2.04 2.09 2.14 2.19 2.25 2.30 2.35 2.39 2.44	1.048 1.061 1.073 1.085 1.096 1.107 1.117 1.127 1.137 1.146 1.155	564.0 571.2 578.2 585.0 591.4 597.8 604.1 610.2 616.3 622.3 628.2 634.0	1.92 1.97 2.02 2.07 2.12 2.17 2.22 2.27 2.31 2.36 2.40	1.043 1.056 1.068 1.080 1.091 1.102 1.112 1.122 1.132 1.142	563.1 570.3 577.4 584.2 590.7 597.2 603.5 609.7 615.8 621.8 627.8 633.6	1.85 1.90 1.95 2.00 2.05 2.10 2.15 2.20 2.24 2.28	1.030 1.038 1.051 1.063 1.075 1.086 1.097 1.108 1.118 1.128 1.138 1.147	562.1 569.4 576.6 583.4 590.0 596.5 602.9 609.1 615.3 621.3 627.3
90 100 110 120 130 140 150 160 170 180 190	2.06 2.12 2.17 2.22 2.27 2.33 2.38 2.43 2.48 2.53 2.57	1.053 1.066 1.078 1.089 1.100 1.111 1.121 1.131 1.141 1.150 1.159	565.0 572.1 579.0 585.7 592.1 598.5 604.7 616.8 616.8 622.8 622.8	1.99 2.04 2.09 2.14 2.19 2.25 2.30 2.35 2.39 2.44 2.48	1.048 1.061 1.073 1.085 1.096 1.107 1.117 1.117 1.127 1.137	564.0 571.2 578.2 585.0 591.4 597.8 604.1 616.3 622.3 628.2	1.92 1.97 2.02 2.07 2.12 2.17 2.22 2.27 2.31 2.36 2.40	1.043 1.056 1.068 1.080 1.091 1.102 1.112 1.122 1.132 1.142 1.151	563.1 570.3 577.4 584.2 590.7 597.2 603.5 609.7 615.8 621.8	1.85 1.90 1.95 2.00 2.05 2.10 2.15 2.20 2.24 2.28 2.32	1.030 1.038 1.051 1.063 1.075 1.086 1.097 1.108 1.118 1.128 1.138	562.1 569.4 576.6 583.4 590.0 596.5 602.9 609.1 615.3 621.3
90 100 110 120 130 140 150 160 170 180 190 200 210 220 230	2.06 2.12 2.17 2.22 2.27 2.33 2.38 2.43 2.48 2.53 2.57 2.62 2.67 2.71 2.76	1.053 1,066 1.078 1.089 1.100 1.111 1.121 1.131 1.141 1.150 1.159	565.0 572.1 579.0 585.7 592.1 598.5 604.7 610.8 616.8 622.8 628.7 634.5 640.9 651.6	1.99 2.04 2.09 2.14 2.19 2.25 2.30 2.35 2.39 2.44 2.48 2.53 2.58 2.62 2.66	1.048 1.061 1.073 1.085 1.096 1.107 1.117 1.127 1.146 1.155 1.164 1.173 1.181	564.0 571.2 578.2 585.0 591.4 597.8 604.1 610.2 616.2 612.3 622.3 628.2 634.0 639.8 645.5 651.2	1.92 1.97 2.02 2.07 2.12 2.17 2.22 2.27 2.36 2.40 2.44 2.49 2.53 2.57	I.043 I.056 I.068 I.080 I.091 I.102 I.112 I.122 I.132 I.142 I.151 I.160 I.169 I.177 I.185	563.1 570.3 577.4 584.2 590.7 597.2 603.5 609.7 615.8 621.8 627.8 633.6 639.4 645.1 650.8	1.85 1.90 1.95 2.00 2.05 2.10 2.15 2.20 2.24 2.28 2.32 2.36 2.41	1.030 1.038 1.051 1.063 1.075 1.086 1.097 1.108 1.128 1.138 1.138 1.147	562.1 569.4 576.6 583.4 590.0 596.5 602.9 609.1 615.3 621.3 621.3 621.3 633.2 633.2 634.7 650.4
90 100 110 120 130 140 150 160 170 180 190 210 220 230 240	2.06 2.12 2.17 2.22 2.27 2.33 2.38 2.48 2.43 2.53 2.57 2.62 2.67 2.71 2.76 2.81	1.053 1,066 1.078 1.089 1.100 1.111 1.121 1.131 1.141 1.150 1.159	565.0 572.1 579.0 585.7 598.5 604.7 610.8 622.8 628.7 634.5 640.2 645.9	1.99 2.04 2.09 2.14 2.19 2.25 2.30 2.35 2.39 2.44 2.48 2.53 2.58 2.62	1.048 1.061 1.073 1.085 1.096 1.107 1.117 1.127 1.137 1.146 1.155	564.0 571.2 578.2 585.0 591.4 597.8 604.1 610.2 616.3 622.3 628.2 634.0 639.8 645.5	1.92 1.97 2.02 2.07 2.12 2.17 2.22 2.27 2.31 2.36 2.40 2.44 2.49 2.53	I.043 I.056 I.068 I.080 I.091 I.102 I.112 I.122 I.132 I.142 I.151 I.160 I.169 I.177	563.1 570.3 577.4 584.2 590.7 597.2 603.5 609.7 615.8 621.8 627.8 633.6 639.4 645.1	1.85 1.90 1.95 2.00 2.05 2.10 2.15 2.20 2.24 2.28 2.32 2.36 2.41 2.45	1.030 1.038 1.051 1.063 1.075 1.086 1.1097 1.108 1.128 1.138 1.147	562.1 569.4 576.6 583.4 590.0 596.5 602.9 609.1 615.3 621.3 627.3 633.2 639.0 644.7
90 100 110 120 130 140 160 160 170 200 210 220 230 240	2.06 2.12 2.17 2.22 2.27 2.33 2.38 2.43 2.43 2.53 2.57 2.62 2.67 2.71 2.76 2.81 2.85	I.053 I.066 I.078 I.089 I.100 I.111 I.121 I.131 I.141 I.150 I.159 I.168 I.177 I.185 I.194 I.202 I.210	565.0 572.1 579.0 585.7 598.5 604.7 610.8 616.8 622.8 628.7 634.5 640.2 645.9 657.3 662.9	1.99 2.04 2.09 2.14 2.19 2.25 2.30 2.35 2.39 2.44 2.48 2.53 2.58 2.62 2.66 2.71 2.75	1.048 1.061 1.073 1.085 1.096 1.107 1.117 1.127 1.137 1.146 1.155 1.164 1.173 1.181 1.189 1.198	564.0 571.2 578.2 585.0 591.4 597.8 604.1 610.2 616.3 622.3 628.2 634.0 639.8 645.5 651.2 656.9 662.5	1.92 1.97 2.02 2.07 2.12 2.17 2.22 2.27 2.31 2.36 2.40 2.44 2.49 2.53 2.57 2.62	I.043 I.056 I.068 I.080 I.091 I.102 I.112 I.122 I.132 I.142 I.151 I.160 I.169 I.177 I.185 I.194 I.202	563.1 570.3 577.4 584.2 590.7 597.2 603.5 609.7 615.8 621.8 633.6 639.4 645.1 650.8 656.5 662.1	1.85 1.90 1.95 2.00 2.10 2.15 2.20 2.24 2.28 2.32 2.36 2.41 2.45 2.49 2.53	1.030 1.038 1.051 1.063 1.07 1.086 1.108 1.128 1.128 1.138 1.147 1.156 1.173 1.181 1.190	562.1 569.4 576.6 583.4 590.0 596.5 602.9 609.1 615.3 621.3 627.3 633.2 639.0 644.7 650.4 656.1
90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 260	2.06 2.12 2.17 2.22 2.27 2.33 2.38 2.43 2.43 2.53 2.57 2.62 2.67 2.71 2.76 2.81 2.85	I.053 I.066 I.078 I.089 I.100 I.111 I.121 I.131 I.141 I.150 I.159 I.168 I.177 I.185 I.194 I.202 I.210 I.217	565.0 572.1 579.0 585.7 592.1 598.5 604.7 610.8 610.8 622.8 622.8 628.7 634.5 640.2 645.9 657.3 662.9 668.5	1.99 2.04 2.09 2.14 2.19 2.25 2.30 2.35 2.39 2.44 2.48 2.53 2.58 2.66 2.71 2.75 2.80	1.048 1.061 1.073 1.085 1.096 1.107 1.117 1.127 1.146 1.155 1.164 1.173 1.181 1.189 1.198	564.0 571.2 578.2 585.0 591.4 597.8 604.1 610.2 616.3 622.3 628.2 634.0 639.8 645.5 651.2 656.9 662.5	1.92 1.97 2.02 2.07 2.12 2.17 2.22 2.27 2.31 2.36 2.40 2.44 2.49 2.53 2.57 2.62 2.66 2.71	I.043 I.056 I.068 I.080 I.091 I.102 I.112 I.122 I.132 I.142 I.151 I.160 I.169 I.177 I.185 I.194 I.202 I.209	563.1 570.3 577.4 584.2 590.7 597.2 603.5 609.7 615.8 621.8 621.8 639.4 645.1 650.8 656.5 662.1	1.85 1.90 1.95 2.00 2.05 2.10 2.15 2.20 2.24 2.28 2.32 2.36 2.41 2.45 2.49 2.53	1.030 1.038 1.051 1.063 1.075 1.086 1.1097 1.108 1.128 1.138 1.147 1.156 1.173 1.181 1.190	562.1 569.4 576.6 583.4 590.0 596.5 602.9 609.1 615.3 627.3 627.3 633.2 639.0 644.7 650.4 656.1
90 100 110 120 130 140 160 170 180 190 200 210 220 230 240 250 260 280	2.06 2.12 2.17 2.22 2.27 2.33 2.38 2.43 2.48 2.53 2.57 2.62 2.67 2.71 2.76 2.81 2.85 2.90 2.98	I.053 I,066 I.078 I.089 I.100 I.111 I.121 I.131 I.141 I.159 I.168 I.177 I.185 I.194 I.202 I.210 I.217 I.233	565.0 572.1 579.0 585.7 592.1 598.5 604.7 610.8 610.8 622.8 622.8 634.5 640.2 645.9 657.3 662.9 668.5 679.6	1.99 2.04 2.09 2.14 2.19 2.25 2.30 2.35 2.39 2.44 2.48 2.53 2.58 2.66 2.71 2.75 2.80 2.88	1.048 1.061 1.073 1.085 1.096 1.107 1.117 1.127 1.137 1.146 1.155 1.164 1.173 1.189 1.189 1.198	564.0 571.2 578.2 585.0 591.4 597.8 604.1 610.2 616.3 622.3 634.0 639.8 645.5 651.2 656.9	1.92 1.97 2.02 2.07 2.12 2.17 2.22 2.27 2.31 2.36 2.40 2.44 2.49 2.53 2.57 2.62 2.66 2.71	I.043 I.056 I.068 I.080 I.091 I.102 I.112 I.122 I.132 I.142 I.151 I.160 I.169 I.177 I.185 I.194	563.1 570.3 577.4 584.2 590.7 597.2 603.5 609.7 615.8 621.8 621.8 633.6 645.1 650.8 656.5 662.1 667.7 678.9	1.85 1.90 1.95 2.00 2.05 2.10 2.15 2.20 2.24 2.28 2.32 2.36 2.41 2.45 2.49 2.53 2.58 2.62 2.70	1.030 1.038 1.051 1.063 1.075 1.086 1.097 1.108 1.118 1.128 1.138 1.147 1.156 1.165 1.178 1.181 1.190	562.1 569.4 576.6 583.4 590.0 596.5 602.9 609.1 615.3 621.3 621.3 633.2 633.2 633.2 634.7 650.4 656.1
90 100 110 120 130 140 150 160 170 180 190 210 220 230 240 260 280 300	2.06 2.12 2.17 2.22 2.27 2.33 2.38 2.43 2.48 2.53 2.57 2.62 2.67 2.71 2.76 2.81 2.85 2.90 2.98 3.07	1.053 1,066 1.078 1.089 1.100 1.111 1.121 1.131 1.141 1.150 1.159 1.168 1.177 1.185 1.194 1.202 1.210 1.217 1.233 1.247	565.0 572.1 579.0 585.7 592.1 598.5 604.7 610.8 610.8 622.8 622.8 645.2 645.2 645.2 657.3 662.9 668.5 679.6 690.5	1.99 2.04 2.09 2.14 2.19 2.25 2.30 2.35 2.39 2.44 2.48 2.53 2.58 2.66 2.71 2.75 2.80 2.88 2.97	1.048 1.061 1.073 1.085 1.096 1.107 1.117 1.127 1.137 1.145 1.155 1.164 1.173 1.189 1.198 1.206 1.213 1.229 1.243	564.0 571.2 578.2 585.0 591.4 597.8 604.1 610.2 616.3 622.3 624.3 634.0 639.8 645.5 651.2 666.9 662.5 668.1 679.2 690.2	1.92 1.97 2.02 2.07 2.12 2.17 2.22 2.27 2.31 2.36 2.40 2.44 2.49 2.53 2.57 2.62 2.66 2.71 2.79 2.87	I.043 I.056 I.068 I.080 I.091 I.102 I.112 I.122 I.132 I.142 I.151 I.160 I.169 I.177 I.185 I.194 I.202 I.202 I.225 I.239	563.1 570.3 577.4 584.2 590.7 597.2 603.5 609.7 615.8 627.8 633.6 639.4 645.1 650.8 666.5 662.1 667.7 678.9 689.9	1.85 1.90 1.95 2.00 2.05 2.10 2.15 2.20 2.24 2.28 2.32 2.36 2.41 2.45 2.49 2.53 2.58 2.62 2.70 2.78	1.030 1.038 1.051 1.063 1.075 1.086 1.097 1.108 1.118 1.128 1.138 1.147 1.156 1.173 1.181 1.190 1.198 1.221 1.221	562.1 569.4 576.6 583.4 590.0 596.5 602.9 609.1 615.3 627.3 627.3 633.2 639.0 644.7 656.1 661.7 667.3 678.5 689.6
90 100 110 120 130 140 160 170 180 190 200 210 220 230 240 250 260 280	2.06 2.12 2.17 2.22 2.27 2.33 2.38 2.43 2.48 2.53 2.57 2.62 2.67 2.71 2.76 2.81 2.85 2.90 2.98	I.053 I,066 I.078 I.089 I.100 I.111 I.121 I.131 I.141 I.159 I.168 I.177 I.185 I.194 I.202 I.210 I.217 I.233	565.0 572.1 579.0 585.7 592.1 598.5 604.7 610.8 610.8 622.8 622.8 634.5 640.2 645.9 657.3 662.9 668.5 679.6	1.99 2.04 2.09 2.14 2.19 2.25 2.30 2.35 2.39 2.44 2.48 2.53 2.58 2.66 2.71 2.75 2.80 2.88	1.048 1.061 1.073 1.085 1.096 1.107 1.117 1.127 1.137 1.146 1.155 1.164 1.173 1.189 1.189 1.198	564.0 571.2 578.2 585.0 591.4 597.8 604.1 610.2 616.3 622.3 634.0 639.8 645.5 651.2 656.9	1.92 1.97 2.02 2.07 2.12 2.17 2.22 2.27 2.31 2.36 2.40 2.44 2.49 2.53 2.57 2.62 2.66 2.71	I.043 I.056 I.068 I.080 I.091 I.102 I.112 I.122 I.132 I.142 I.151 I.160 I.169 I.177 I.185 I.194	563.1 570.3 577.4 584.2 590.7 597.2 603.5 609.7 615.8 621.8 621.8 633.6 645.1 650.8 656.5 662.1 667.7 678.9	1.85 1.90 1.95 2.00 2.05 2.10 2.15 2.20 2.24 2.28 2.32 2.36 2.41 2.45 2.49 2.53 2.58 2.62 2.70	1.030 1.038 1.051 1.063 1.075 1.086 1.097 1.108 1.118 1.128 1.138 1.147 1.156 1.165 1.178 1.181 1.190	562.1 569.4 576.6 583.4 590.0 596.5 602.9 609.1 615.3 621.3 621.3 633.2 633.2 633.2 634.7 650.4 656.1
90 100 110 120 130 140 150 160 170 180 190 200 210 230 240 260 280 300 320 340	2.06 2.12 2.17 2.22 2.27 2.33 2.38 2.43 2.48 2.53 2.57 2.62 2.67 2.71 2.76 2.81 2.85 2.90 2.98 3.07	I.053 I,066 I.078 I.089 I.100 I.111 I.121 I.131 I.141 I.150 I.159 I.168 I.177 I.185 I.194 I.202 I.210 I.217 I.233 I.247 I.261 I.275	565.0 572.1 579.0 585.7 592.1 598.5 604.7 610.8 610.8 622.8 622.8 645.2 645.2 645.2 657.3 662.9 668.5 679.6 690.5	1.99 2.04 2.09 2.14 2.19 2.25 2.30 2.35 2.39 2.44 2.48 2.53 2.58 2.66 2.71 2.75 2.80 2.88 2.97	1.048 1.061 1.073 1.085 1.096 1.107 1.117 1.127 1.137 1.145 1.155 1.164 1.173 1.189 1.198 1.206 1.213 1.229 1.243	564.0 571.2 578.2 585.0 591.4 597.8 604.1 610.2 616.3 622.3 624.3 634.0 639.8 645.5 651.2 666.9 662.5 668.1 679.2 690.2	1.92 1.97 2.02 2.07 2.12 2.17 2.22 2.27 2.31 2.36 2.40 2.44 2.49 2.53 2.57 2.62 2.66 2.71 2.79 2.87	I.043 I.056 I.068 I.080 I.091 I.102 I.112 I.122 I.132 I.142 I.151 I.160 I.169 I.177 I.185 I.194 I.202 I.209 I.225 I.239 I.254 I.268	563.1 570.3 577.4 584.2 590.7 597.2 603.5 609.7 615.8 627.8 633.6 639.4 645.1 650.8 666.5 662.1 667.7 678.9 689.9	1.85 1.90 1.95 2.00 2.05 2.10 2.15 2.20 2.24 2.28 2.32 2.36 2.41 2.45 2.49 2.53 2.58 2.62 2.70 2.78	1.030 1.038 1.051 1.063 1.075 1.086 1.097 1.108 1.128 1.138 1.147 1.156 1.165 1.173 1.181 1.190 1.198 1.205 1.221 1.235 1.250	562.1 569.4 576.6 583.4 590.0 596.5 602.9 609.1 615.3 627.3 627.3 633.2 639.0 644.7 656.1 661.7 667.3 678.5 689.6
90 100 110 120 130 140 160 170 180 200 210 220 230 240 260 280 300 320 340 360	2.06 2.12 2.17 2.22 2.27 2.33 2.38 2.43 2.48 2.53 2.57 2.62 2.67 2.76 2.81 2.85 2.99 2.98 3.07 3.16 3.24 3.33	I.053 I.066 I.078 I.089 I.100 I.111 I.121 I.131 I.141 I.159 I.168 I.177 I.185 I.194 I.202 I.210 I.217 I.233 I.247 I.261 I.275 I.289	565.0 572.1 579.0 585.7 592.1 598.5 604.7 610.8 610.8 622.8 622.8 625.7 634.5 645.9 657.3 662.9 668.5 679.6 690.5 701.4 712.4 723.4	1.99 2.04 2.09 2.14 2.19 2.25 2.30 2.35 2.39 2.44 2.48 2.53 2.58 2.66 2.71 2.75 2.80 2.88 2.97 3.06 3.14 3.22	1.048 1.061 1.073 1.085 1.096 1.107 1.117 1.127 1.137 1.146 1.155 1.164 1.173 1.181 1.189 1.198 1.206 1.213 1.229 1.243 1.257 1.271	564.0 571.2 578.2 585.0 591.4 597.8 604.1 610.2 616.3 622.3 634.0 639.2 655.9 662.5 668.1 679.2 690.2 701.2 712.2 723.2	1.92 1.97 2.02 2.07 2.12 2.17 2.22 2.27 2.31 2.36 2.40 2.44 2.49 2.53 2.57 2.62 2.66 2.71 2.79 2.87 2.96 3.04 3.12	I.043 I.056 I.068 I.080 I.091 I.102 I.112 I.122 I.132 I.142 I.151 I.160 I.169 I.177 I.185 I.194 I.202 I.209 I.225 I.239 I.254 I.268 I.281	563.1 570.3 577.4 584.2 590.7 597.2 603.5 609.7 615.8 621.8 621.8 633.6 645.1 650.8 656.5 662.7 678.9 689.9 700.9	1.85 1.90 1.95 2.00 2.05 2.10 2.15 2.20 2.24 2.28 2.32 2.36 2.41 2.45 2.49 2.53 2.58 2.62 2.70 2.78 2.86 2.94 3.02	1.030 1.038 1.051 1.063 1.075 1.086 1.097 1.108 1.128 1.138 1.147 1.156 1.165 1.173 1.181 1.190 1.198 1.221 1.235 1.250 1.264 1.277	562.1 569.4 576.6 583.4 590.0 596.5 602.9 609.1 615.3 621.3 621.3 621.3 633.2 639.6 644.7 650.4 656.1 661.7 667.3 678.5 689.6 700.6
90 100 110 120 130 140 150 160 170 180 190 200 210 230 240 260 280 300 320 340	2.06 2.12 2.17 2.22 2.27 2.33 2.38 2.43 2.43 2.53 2.57 2.62 2.67 2.71 2.76 2.81 2.85 2.90 2.98 3.07 3.16	I.053 I,066 I.078 I.089 I.100 I.111 I.121 I.131 I.141 I.150 I.159 I.168 I.177 I.185 I.194 I.202 I.210 I.217 I.233 I.247 I.261 I.275	565.0 572.1 579.0 585.7 592.1 598.5 604.7 610.8 610.8 622.8 628.7 634.5 640.2 645.9 651.6 657.3 662.9 668.5 679.6 690.5 701.4 712.4	1.99 2.04 2.09 2.14 2.19 2.25 2.30 2.35 2.39 2.44 2.48 2.53 2.58 2.66 2.71 2.75 2.80 2.88 2.97 3.06 3.14	1.048 1.061 1.073 1.085 1.096 1.107 1.117 1.127 1.146 1.155 1.164 1.173 1.181 1.189 1.198 1.206 1.213 1.229 1.243 1.257	564.0 571.2 578.2 585.0 591.4 597.8 604.1 610.2 616.2 622.3 622.3 628.2 634.0 639.8 645.5 651.2 656.9 662.5 668.1 679.2 690.2 701.2	1.92 1.97 2.02 2.07 2.12 2.17 2.22 2.27 2.316 2.40 2.44 2.49 2.53 2.57 2.62 2.66 2.71 2.79 2.87 2.96 3.04	I.043 I.056 I.068 I.080 I.091 I.102 I.112 I.122 I.132 I.142 I.151 I.160 I.169 I.177 I.185 I.194 I.202 I.209 I.225 I.239 I.254 I.268	563.1 570.3 577.4 584.2 590.7 597.2 603.5 609.7 615.8 621.8 621.8 639.4 645.1 650.8 656.5 662.1 667.7 678.9 689.9 700.9 711.9	1.85 1.90 1.95 2.00 2.05 2.10 2.15 2.20 2.24 2.28 2.32 2.36 2.41 2.45 2.49 2.53 2.58 2.62 2.70 2.78 2.86 2.94	1.030 1.038 1.051 1.063 1.075 1.086 1.097 1.108 1.128 1.138 1.147 1.156 1.165 1.173 1.181 1.190 1.198 1.205 1.221 1.235 1.250	562.1 569.4 576.6 583.4 590.0 596.5 602.9 609.1 615.3 627.3 627.3 633.2 639.0 644.7 650.4 656.1 661.7 667.3 678.5 689.6 700.6 711.7

Pres-	170 [85.9] 180 [89.4]				190 [92.7]			200 [95-9]				
Temp	•	5	i	v	5	i	•	8	i	▼	8	i
Sat.	1.76	1.027	558.1	1.67	1.023	558.8	1.58	1.018.	559-4	1.50	1.014	560.0
90	1.78	1.033	561.1	1.67	1.024	559.2						
100 110	1.83 1.88	1.046 1.059	568.5 575.7	1.72 1.77	1.037 1.050	566.7 574.0	1.62 1.67	1,028 1.041	564.9 572.3	1.52 1.57	1.020	563.1 570.7
120	1.93	1.071	582.6	1.81	1.062	581.1	1.71	1.054	579.6	1.61	1.046	578.1
130	1.98	1.082	589.3 595.8	1.86 1.90 、	1.074	587.9 594.5	1.75	1.066	586.5 593.1	1.65	1.058	585.1 591.7
150 160	2.08 2.13	1.104	602.2 608.5	1.94	1.096	600.9 607.4	1.83 1.87	1.088 1.098	599.7 606.2	I.73 I.77	1.080	598.4 605.0
170	2.17	1.124	614.7	2.03	1.116	613.6	1.91	1.108	612.5	1.81	1.101	611.4
180	2.21,	1.134	620.8	2.07	1.126	619.7	1.95	1.118	618.7	1.85	1.111	617.7
190	2.25	1.143	626.8	2.11	1.135	625.8	1.99	1.128	624.8	1.89	1.121	623.9
200	2.29	1.152	632.7	2.15	1.144	631.8	2.03	1.137	630.9 636.9	1.92	1.130	630.0 636.0
210	2.33 2.37	1.161	638.5 644.3	2.19	1.153	637.7 643.6	2.07	1.146	642.9	1.96 1.99	1.139	642.1
230	2.41	1.177	650.0	2.27	1.170	649.3	2.14	1.163	648.6	2.02	1.156	647.9
240	2.45	1.186	655.7	2.31	1.178	655.0	2.18	1.171	654.3	2.06	1.165	653.6
250	2.50	1.194	661.3	2.35	1.186	660.6	2.22	1.179	659.9	2.10	1.173	659.3
260 280	2.54 2.61	1.202	667.0 678.2	2.39	1.194	666.3 677.6	2.25	1.187	665.7 677.0	2.13	1.181	665.1 676.4
300	2.69	1.232	689.3	2.54	1.225	688.8	2.40	1.218	688.2	2.27	1.212	687.7
320	2.77	1.246	700.3	2.61	1.239	699.8	2.47	1.232	699.3	2.33	1.226	698.8
840	2.85	1.260	711.4	2.69	1.253	710.9	2.54	1.246	710.4	2.40	1.240	709.9
360	2.92	1.274	722.4	2.76	1.267	721.9	2.61	1.260	721.5	2.47	1.254	721.0
380	2.99	1.287	733-4	2.83	1.280	732.9	2.68	1.273	732.5	2:54	1.267	732.1
		210 [98.9]			220 [101.8]			230 [104.7]			240 [107.4]	
Sat.	1.43	1.010	560.5	1.37	1.007	561.0	1.31	1.003	561.5	1.26	1.000	562.0
110	1.48	1.025	569.0	1.40	1.018	567.3	1.33	1.010	565.7	1.27	1.003	564.0
120	1.52	1.038	576.5	1.44	1.031	574.9	·I.37	1.024	573.4	1.31	1.017	571.8
130	1.56	1.050										
	T.no		583.6	1.48 1.52	1.043	582.1 580.1	1.41	1.036	580.7	1.34	1.030	579-3
150	1.60	1.062	590.4	1.52	1.055	589.1	1.45	1.048	580.7 587.8	1.34	1.030	579·3 586·5
1 50 160	1.64 1.68							1.036 1.048 1.060 1.071	580.7	1.34	1.030	579-3
160 170	1.64 1.68 1.72	1.062 1.073 1.084 1.094	590.4 597.2 603.8 610.3	1.52 1.55 1.59 1.63	1.055 1.066 1.077 1.088	589.1 596.0 602.7 609.2	1.45 1.48 1.51 1.55	1.048 1.060 1.071 1.081	580.7 587.8 594.7 601.6 608.2	1.34 1.38 1.42 1.45 1.48	1.030 1.042 1.053 1.065 1.075	579.3 586.5 593.5 600.4 607.1
160	1.64 1.68	1.062 1.073 1.084	590.4 597.2 603.8	1.52 1.55 1.59	1.055 1.066 1.077	589.1 596.0 602.7	1.45 1.48 1.51	1.048 1.060 1.071	580.7 587.8 594.7 601.6	1.34 1.38 1.42 1.45	1.030 1.042 1.053 1.065	579.3 586.5 593.5 600.4
160 170 180	1.64 1.68 1.72 1.76 1.79	1.062 1.073 1.084 1.094 1.104	590.4 597.2 603.8 610.3 616.7	1.52 1.55 1.59 1.63 1.66	1.055 1.066 1.077 1.088 1.098	589.1 596.0 602.7 609.2 615.7	1.45 1.48 1.51 1.55 1.58	1.048 1.060 1.071 1.081 1.092	580.7 587.8 594.7 601.6 608.2 614.7	1.34 1.38 1.42 1.45 1.48 1.51 1.54	1.030 1.042 1.053 1.065 1.075 1.086	579.3 586.5 593.5 600.4 607.1 613.7
160 170 180 190 200 210	1.64 1.68 1.72 1.76 1.79	1.062 1.073 1.084 1.094 1.104 1.114 1.123 1.133	590.4 597.2 603.8 610.3 616.7 623.0 629.1 635.2	1.52 1.55 1.59 1.63 1.66 1.69	1.055 1.066 1.077 1.088 1.098 1.108	589.1 596.0 602.7 609.2 615.7 622.0	1.45 1.48 1.51 1.55 1.58 1.61	1.048 1.060 1.071 1.081 1.092 1.102	580.7 587.8 594.7 601.6 608.2 614.7 621.0 627.3 633.5	1.34 1.38 1.42 1.45 1.48 1.51 1.54	1.030 1.042 1.053 1.065 1.075 1.086 1.096	579.3 586.5 593.5 600.4 607.1 613.7 620.1 626.4 632.7
160 170 180 190 200 210 220	1.64 1.68 1.72 1.76 1.79 1.82 1.86 1.89	1.062 1.073 1.084 1.094 1.104 1.114 1.123 1.133 1.142	590.4 597.2 603.8 610.3 616.7 623.0 629.1 635.2 641.3	1.52 1.55 1.59 1.63 1.66 1.69	1.055 1.066 1.077 1.088 1.098 1.108	589.1 596.0 602.7 609.2 615.7 622.0 628.2 634.4 640.5	1.45 1.48 1.51 1.55 1.58 1.61 1.64 1.68	1.048 1.060 1.071 1.081 1.092 1.102 1.111 1.120 1.129	580.7 587.8 594.7 601.6 608.2 614.7 621.0 627.3 633.5 639.6	1.34 1.38 1.42 1.45 1.48 1.51 1.54 1.57 1.61	1.030 1.042 1.053 1.065 1.075 1.086 1.096 1.105 1.115	579-3 586.5 593-5 600.4 607.1 613-7 620.1 626.4 632-7 638.8
160 170 180 190 200 210	1.64 1.68 1.72 1.76 1.79	1.062 1.073 1.084 1.094 1.104 1.114 1.123 1.133	590.4 597.2 603.8 610.3 616.7 623.0 629.1 635.2	1.52 1.55 1.59 1.63 1.66 1.69	1.055 1.066 1.077 1.088 1.098 1.108	589.1 596.0 602.7 609.2 615.7 622.0	1.45 1.48 1.51 1.55 1.58 1.61	1.048 1.060 1.071 1.081 1.092 1.102	580.7 587.8 594.7 601.6 608.2 614.7 621.0 627.3 633.5	1.34 1.38 1.42 1.45 1.48 1.51 1.54	1.030 1.042 1.053 1.065 1.075 1.086 1.096	579.3 586.5 593.5 600.4 607.1 613.7 620.1 626.4 632.7
160 170 180 190 200 210 220 230 240	1.64 1.68 1.72 1.76 1.79 1.82 1.86 1.89 1.92 1.96	1.062 1.073 1.084 1.094 1.104 1.114 1.123 1.133 1.142 1.150 1.159	590.4 597.2 603.8 610.3 616.7 623.0 629.1 635.2 641.3 647.2 652.9 658.6	1.52 1.55 1.59 1.63 1.66 1.69 1.72 1.76 1.79 1.82 1.86	1.055 1.066 1.077 1.088 1.098 1.108 1.117 1.126 1.135 1.144 1.152	589.1 596.0 602.7 609.2 615.7 622.0 628.2 634.4 640.5 646.4 652.2 658.0	1.45 1.48 1.51 1.55 1.58 1.61 1.64 1.68 1.71 1.74	1.048 1.060 1.071 1.081 1.092 1.102 1.111 1.120 1.129 1.138 1.146	580.7 587.8 594.7 601.6 608.2 614.7 621.0 627.3 633.5 639.6 645.6 651.5	1.34 1.38 1.42 1.45 1.48 1.51 1.54 1.57 1.61 1.64 1.67 1.70	1.030 1.042 1.053 1.065 1.075 1.086 1.096 1.105 1.115 1.124 1.132 1.141	579-3 586.5 593-5 600-4 607.1 613-7 620.1 626.4 632-7 638.8 644.8 650.7
160 170 180 190 200 210 220 230 240 250 260	1.64 1.68 1.72 1.76 1.79 1.82 1.86 1.89 1.92 1.96	1.062 1.073 1.084 1.094 1.104 1.114 1.123 1.133 1.142 1.150 1.159 1.167	590.4 597.2 603.8 610.3 616.7 623.0 629.1 635.2 641.3 647.2 652.9 658.6 664.4	1.52 1.55 1.59 1.63 1.66 1.69 1.72 1.76 1.79 1.82 1.86	1.055 1.066 1.077 1.088 1.098 1.108 1.117 1.126 1.135 1.144 1.152	589.1 596.0 602.7 609.2 615.7 622.0 628.2 634.4 640.5 646.4 652.2 658.0 663.8	1.45 1.48 1.51 1.55 1.58 1.61 1.64 1.68 1.71 1.74 1.78	1.048 1.060 1.071 1.081 1.092 1.102 1.111 1.120 1.129 1.138 1.146 1.155 1.163	580.7 587.8 594.7 601.6 608.2 614.7 621.0 627.3 633.5 645.6 651.5 657.3 663.2	1.34 1.38 1.42 1.45 1.48 1.51 1.54 1.61 1.64 1.67 1.70	1.030 1.042 1.053 1.065 1.075 1.086 1.096 1.105 1.115 1.124 1.132 1.141	579-3 586-5 593-5 600-4 607-1 613-7 620-1 626-4 632-7 638-8 644-8 650-7 656-6 662-5
160 170 180 190 200 210 220 230 240	1.64 1.68 1.72 1.76 1.79 1.82 1.86 1.89 1.92 1.96	1.062 1.073 1.084 1.094 1.104 1.114 1.123 1.133 1.142 1.150 1.159	590.4 597.2 603.8 610.3 616.7 623.0 629.1 635.2 641.3 647.2 652.9 658.6	1.52 1.55 1.59 1.63 1.66 1.69 1.72 1.76 1.79 1.82 1.86	1.055 1.066 1.077 1.088 1.098 1.108 1.117 1.126 1.135 1.144 1.152	589.1 596.0 602.7 609.2 615.7 622.0 628.2 634.4 640.5 646.4 652.2 658.0	1.45 1.48 1.51 1.55 1.58 1.61 1.64 1.68 1.71 1.74	1.048 1.060 1.071 1.081 1.092 1.102 1.111 1.120 1.129 1.138 1.146	580.7 587.8 594.7 601.6 608.2 614.7 621.0 627.3 633.5 639.6 645.6 651.5	1.34 1.38 1.42 1.45 1.48 1.51 1.54 1.57 1.61 1.64 1.67 1.70	1.030 1.042 1.053 1.065 1.075 1.086 1.096 1.105 1.115 1.124 1.132 1.141	579-3 586.5 593-5 600-4 607.1 613-7 620.1 626.4 632-7 638.8 644.8 650.7
160 170 180 190 200 210 220 230 240 250 260 270	1.64 1.68 1.72 1.76 1.79 1.82 1.86 1.89 1.92 1.96	1.062 1.073 1.084 1.094 1.104 1.114 1.123 1.142 1.150 1.159 1.167 1.175 1.183	590.4 597.2 603.8 610.3 616.7 623.0 629.1 635.2 641.3 647.2 652.9 658.6 664.4 670.2	1.52 1.55 1.59 1.63 1.66 1.72 1.76 1.79 1.82 1.86	1.055 1.066 1.077 1.088 1.108 1.117 1.126 1.135 1.144 1.152 1.161 1.169 1.177	589.1 596.0 602.7 609.2 615.7 622.0 628.2 634.4 640.5 646.4 652.2 658.0 663.8 669.6	1.45 1.48 1.51 1.55 1.58 1.61 1.64 1.71 1.74 1.78 1.81 1.84 1.87	1.048 1.060 1.071 1.081 1.092 1.102 1.111 1.120 1.129 1.138 1.146 1.155 1.163	580.7 587.8 594.7 601.6 608.2 614.7 621.0 627.3 633.5 645.6 651.5 657.3 663.2 669.0	1.34 1.38 1.42 1.45 1.48 1.51 1.54 1.57 1.61 1.64 1.67 1.70	1.030 1.042 1.053 1.065 1.075 1.086 1.096 1.105 1.115 1.122 1.132 1.141	579-3 586.5 593-5 600-4 607-1 613-7 620-1 626-4 632-7 638-8 644-8 650-7 656-6 662-5 668-3
160 170 180 190 200 210 220 230 240 250 260 270 280 300	1.64 1.68 1.72 1.76 1.79 1.82 1.86 1.89 1.92 1.96 1.99 2.02 2.05 2.09 2.15	1.062 1.073 1.084 1.094 1.104 1.114 1.123 1.133 1.142 1.150 1.159 1.167 1.175 1.183 1.191 1.206	590.4 597.2 603.8 610.3 616.7 623.0 629.1 635.2 641.3 647.2 652.9 658.6 664.4 670.2 675.8 687.2	1.52 1.55 1.59 1.63 1.66 1.72 1.76 1.79 1.82 1.86 1.89 1.92 1.95 1.99 2.05	1.055 1.066 1.077 1.088 1.098 1.108 1.117 1.126 1.135 1.144 1.152 1.161 1.169 1.177 1.185 1.200	589.1 596.0 602.7 609.2 615.7 622.0 628.2 634.4 640.5 646.4 652.2 658.0 663.8 669.6 675.2 686.7	1.45 1.48 1.51 1.55 1.58 1.61 1.64 1.74 1.78 1.81 1.84 1.87 1.90 1.96	1.048 1.060 1.071 1.081 1.092 1.102 1.111 1.120 1.129 1.138 1.146 1.155 1.163 1.171 1.179 1.194	580.7 587.8 594.7 601.6 608.2 614.7 627.3 633.5 645.6 651.5 657.3 669.0 674.6 686.2 697.4	1.34 1.38 1.42 1.45 1.48 1.51 1.54 1.57 1.61 1.67 1.70 1.73 1.76 1.79 1.82 1.87	1.030 1.042 1.053 1.065 1.075 1.086 1.096 1.105 1.124 1.132 1.141 1.158 1.158 1.166 1.174 1.189	579-3 586-5 593-5 600-4 607-1 613-7 620-1 626-4 632-7 638-8 644-8 650-7 656-6 662-5 668-3 674-0 685-6
160 170 180 190 200 210 220 230 240 250 260 270 280 300 340	1.64 1.68 1.72 1.76 1.79 1.82 1.86 1.92 1.96 1.99 2.02 2.05 2.09 2.15	1.062 1.073 1.084 1.094 1.104 1.114 1.123 1.142 1.159 1.167 1.175 1.183 1.191 1.206 1.220 1.234	590.4 597.2 603.8 610.3 616.7 623.0 629.1 635.2 647.2 652.9 658.6 664.4 670.2 675.8 687.2	1.52 1.55 1.63 1.66 1.72 1.76 1.79 1.82 1.86 1.89 1.92 1.95 1.99 2.05	1.055 1.066 1.077 1.088 1.098 1.117 1.126 1.135 1.144 1.152 1.161 1.169 1.177 1.185 1.200	589.1 596.0 602.7 609.2 615.7 622.0 628.2 634.4 640.5 645.2 653.8 669.6 675.2 686.7 697.9 709.1	1.45 1.48 1.51 1.55 1.58 1.61 1.64 1.74 1.74 1.78 1.81 1.84 1.87 1.90 1.96	1.048 1.060 1.071 1.081 1.092 1.102 1.111 1.120 1.129 1.138 1.146 1.155 1.163 1.171 1.179 1.194 1.209 1.223	580.7 587.8 594.7 601.6 608.2 614.7 621.0 627.3 633.5 645.6 651.5 657.3 663.2 669.0 674.6 686.2 697.4 708.6	1.34 1.38 1.42 1.45 1.48 1.51 1.54 1.57 1.61 1.67 1.70 1.73 1.76 1.79 1.82 1.87	1.030 1.042 1.053 1.065 1.075 1.086 1.096 1.105 1.115 1.124 1.132 1.141 1.149 1.158 1.166 1.174 1.189	579.3 586.5 593.5 600.4 607.1 613.7 620.1 626.4 632.7 638.8 650.7 656.6 662.5 668.3 674.0 685.6 696.9 708.1
160 170 180 190 200 210 220 230 240 250 260 270 280 300	1.64 1.68 1.72 1.76 1.79 1.82 1.86 1.89 1.92 1.96 1.99 2.02 2.05 2.09 2.15	1.062 1.073 1.084 1.094 1.104 1.114 1.123 1.133 1.142 1.150 1.159 1.167 1.175 1.183 1.191 1.206	590.4 597.2 603.8 610.3 616.7 623.0 629.1 635.2 641.3 647.2 652.9 658.6 664.4 670.2 675.8 687.2	1.52 1.55 1.59 1.63 1.66 1.72 1.76 1.79 1.82 1.86 1.89 1.92 1.95 1.99 2.05	1.055 1.066 1.077 1.088 1.098 1.108 1.117 1.126 1.135 1.144 1.152 1.161 1.169 1.177 1.185 1.200	589.1 596.0 602.7 609.2 615.7 622.0 628.2 634.4 640.5 646.4 652.2 658.0 663.8 669.6 675.2 686.7	1.45 1.48 1.51 1.55 1.58 1.61 1.64 1.74 1.78 1.81 1.84 1.87 1.90 1.96	1.048 1.060 1.071 1.081 1.092 1.102 1.111 1.120 1.129 1.138 1.146 1.155 1.163 1.171 1.179 1.194	580.7 587.8 594.7 601.6 608.2 614.7 627.3 633.5 645.6 651.5 657.3 669.0 674.6 686.2 697.4	1.34 1.38 1.42 1.45 1.48 1.51 1.54 1.57 1.61 1.67 1.70 1.73 1.76 1.79 1.82 1.87	1.030 1.042 1.053 1.065 1.075 1.086 1.096 1.105 1.124 1.132 1.141 1.158 1.158 1.166 1.174 1.189	579-3 586-5 593-5 600-4 607-1 613-7 620-1 626-4 632-7 638-8 644-8 650-7 656-6 662-5 668-3 674-0 685-6







Temp.,	Saturation pressure, lb. per sq. in.	Volume of I lb., cu. ft.	Weight of I cu. ft., lb.	144 Apv'	Temp.,	Saturation pressure, lb. per sq. in.	Volume of 1 lb., cu. ft.	Weight of I cu. ft., lb.	144 Apv'
-110	0.758	0.02202	45.42	0.003	90	181.8	0.02714	36.84	0.92
-105	0.730	.02211	45.23	.004		1		36.58	1.00
-105	0.947	.02211	43.43	.004	95	197.3	.02734	30.50	1.00
- 100	1.176	0.02220	45.04	0.005	100	213.8	0.02754	36.32	1.09
- 95	1.450	.02229	44.85	.006	105	231.2	.02774	36.06	1.19
- 90	1.778	.02239	44.66	.007	110	249.6	.02795	35.79	1.29
- 8 ₅	2.167	.02248	44.47	.009	115	269.2	.02/93	35.5I	1.40
- 80	2.626	.02258	44.28	.011	120	289.9	.02839	35.23	1.52
•	1 2.020	.02230	44.20	.011	120	209.9	.02039	33.43	1.32
– 7 5	3.164	0.02268	44.09	0.013	125	311.6	0.02862	34.95	1.65
- 70	3.791	.02278	43.89	.016	130	334.6	.02886	34.66	1.79
- 65	4.518	.02288	43.70	910.	135 .	358.8	.02910	34.36	1.93
- 60	5.358	.02299	43.5I	.023	140	384.4	.02936	34.06	2.09
– 55	6.324	.02309	43.31	.027	145	411.3	.02963	33.76	2.26
33	0.3-4	102309	73.3-	.02,	-43	4-1-3	.02903	33.70	2.20
— 50	7.43	0.02320	43.11	0.032	150	439.5	0.0299	33.45	2.43
- 45	8.69	.02331	42.91	.038	155	469.1	.0302	33.13	2.62
- 40	10.12	.02342	42.71	.044	160	500.1	.0305	32.80	2.82
- 35	11.74	.02353	42.50	.051	165	532.6	.0308	32.47	3.04
– 30	13.56	.02364	42.30	.059	170	566.6	.0312	32.13	3.27
3-	23.32	11-5-4	4	35	-/-	300.0	3.2	32.23	37
— 25	15.61	0.02376	42.09	0.069	175	602.2	0.0315	31.8	3.51
— 20	17.91	.02388	41.88	.079	180	639.5	.0318	31.5	3.77
- 15	20.46	.02400	41.67	.091	185	678.4	.0322	31.1	4.05
— ro	23.30	.02412	41.46	.104	190	719.0	.0326	30.7	4.34
– 5	26.46	.02424	41.25	.119	195	761.4	.0330	30.3	4.65
•	,				- 33	, , , ,	1-55		, ,
0	29.95	0.02437	41.04	0.135	200	805.6	0.0335	29.9	4.99
5	33.79	.02450	40.83	.153	205	851.7	.0340	29.4	5.36
10	38.02	.02463	40.61	.173	210	899.7	.0345	29.0	5.75
15	42.67	.02476	40.39	.196	215	949.6	.0350	28.6	6.16
20	47.75	.02490	40.17	.220	220	1001.4	.0355	28.2	6.59
25	53.30	0.02504	39.95	0.247	225	1055.3	0.0361	27.7	7.I
30	59.35	.02518	39.72	.277	230	1111.3	.0368	27.2	7.6
35	65.91	.02532	39`.50	.309	235	1169.5	.0376	26.6	8.1
40	73.03	.02547	39-27	-344	240	1229.9	.0384	26.0	8.7
45	80.75	.02562	39.04	.383	245	1292.5	.0393	25.4	9.4
50							Ì		i
50	89.1	0.02577	38.81	0.425	250	1357-4	0.0404	24.8	10.2
55	98.0	.02593	38.57	.471	255	1424.7	.0417	24.0	11.0
60	107.7	.02609	38.33	.520	260	1494.4	.0435	23.0	12.0
65	118.1	.02626	38.09	∙574	265	1566.6	.0457	21.8	13.3
70	129.2	.02643	37.85	.632	270	1641.3	.0500	20.0	15.2
75	141.1	0.02660	37.60	0.70	273.2	7600 6			
80	153.9	.02678		0.70 .76	2/3.2	1690.0	o. o 678	14.75	21.2
8 ₅	167.4	.02696	37.35 37.10	.84					
ده ده	10/.4	.52090	37.10	.04	I .	1	1	l	!

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					•		•			
100	0000	0004	0009	0013	0017	0022	0026	0030	0035	0039
101	0043	0048	0052	0056	0060	0065	0069	0073	0077	0082
102	0086	0090	0095	0099	0103	0107	0111	0116	0120	OI 24
103	0128	9133	0137	0141	0145	0149	0154	0158	0162	0166
104	0170	0175	0179	0183	0187	0191	0195	0199	0204	0208
105	0212	0216	0220	0224	0228	0233	0237	0241	0245	0249
106	0253	0257	0261	0265	0269	0273	0278	0282	0286	0290
107	0294	0298	0302	0306	0310	0314	0318	0322	0326	0330
108	0334	0338	0342	0346	0350	0354	0358	0362	0366	0370
109	0374	0378	0382	0386	0390	0394	0398	0402	0406	0410
110	0414	0418	0422	0426	0430	0434	0438	0441	0445	0449
11	0414	0453	0492	0531	0569	0607	0645	0682	0719	0755
12	0792	0828	0864	0899	0934	0969	1004	1038	1072	1106
13	1139	1173	1206	1239	1271	1303	1335	1367	1399	1430
14	1461	1492	1523	1553	1584	1614	1644	1673	1703	1732
15	1761	1790	1818	1847	1875	1903	1931	1959	1987	2014
16	2041	2068	2095	2122	2148	2175	2201	2227	2253	2279
17	2304	2330	2355	2380	2405	2430	2455	2480	2504	2529
18	²⁵⁵³ 2788	2577	2601	2625	2648	2672	2695	2718	2742	2765
19	2788	2810	2833	2856	2878	2900	2923	2945	2967	2989
20	3010	3032	3054	3075	3096	3118	3139	3160	3181	3201
21	3222	3243	3263	3284	3304	3324	3345	3365	3385	3404
22	3424	3444	3464	3483	3502	3522	3541	3560	3579	3598
23	3617	3636	3655	3674	3692	3711	3729	3747	3766	3784
24	3802	3820	3838	3856	3874	3892	3909	3927	3945	3962
25	3979	3997	4014	4031	4048	4065	4082	4099	4116	4133
26	4150	4166	4183	4200	4216	4232	4249	4265	4281	4298
27	4314	4330	4346	4362	4378	4393	4409	4425	4440	4456
28	4472	4487	4502	4518	4533	4548	4564	4579	4594 ·	4609
29	4624	4639	4654	4669	4683	4698	4713	4728	4742	4757
3 0	4771	4786	4800	4814	4829	4843	4857	4871	4886	4900
31	4914	4928	4942	4955	4969	4983	4997	5011	5024	5038
32	5051	5065	5079	5092	5105	5119	5132	5145	5159	5172
33	5185	5198	5211	5224	5237	5250	5263	5276	5289	5302
34	5315	5328	5340	5353	5366	5378	5391	5403	5416	5428
35	5441	5453	5465	5478	5490	5502	5514	5527	5539	5551
36	5563	5575	5587	5599	5611	5623	5635	5647	5658	5670
37	5682	5694	5705	5717	5729	5740	5752	5763	5775 5888	5786
38	5798	5809	5821	5832	5843	5855	5866	5877		5899
39	5911	5922	5933	5944	5955	5966	5977	5988	5999	6010
40	6021	603 I	6042	6053 6160	6064	6075	6085	6096	6107	6117
41	6128	6138	6149		6170	6180	6191	6201	6212	6222
42	6232	6243	·6253	6263	6274	6284	6294	6304	6314	6325
43	6335	6345	6355	6365	6375	6385	6395	6405	6415	6425
44	6435	6444	6454	6464	6474	6484	6493	6503	6513	6522
45	6532	6542	6551	6561	6571	6580	6590	6599	6609	6618
46	6628	6637	6646	6656	6665	6675	6684	6693	6702	6712
47	6721	6730	6739	6749	6758	6767	6776	6785	6794	6803
48 49	6812 6902	6821 6911	6830 6920	6839 6928	6848 6937	6857 6946	6866 6955	6875 6964	6884 6972	6893 6981

	0	1	2	8	4	5	•	7	8	•
50	6990	6998	7007	7016	7024	7033	7042	7050	7059	7067
51	7076	7084	7093	7101	7110	7118	7126		7143	7152
52	7160	7168	7177	7185	7193	7202	7210	7135 7218	7226	7235
53	7243	7251	7259	7267	7275	7284	7292	7300	7308	7316
54	7324	7332	7340	7348	7356	7364	7372	7380	7388	7396
55	7404	7412	7419	7427	7435	7443	7451	7459	7466	7474
56	7482	7490	7497	7505	7513	7520	7528	7536 7536	7543	7551
		7566		7582	7589		7604	7612	7619	7627
57 58	7559 7634		7574 7649	7504	7664	7597 7672		7686		
50 59	703 4 7709	7642 7716	7723	7657 7731	7738	7745	7679 7752	7760	7694 7767	7701 7774
60		ľ	_		1			''		ļ
	7782	7789	7796	7803	7810	7818	7825	7832	7839	7846
61	7853	7860	7868	7875	7882	7889	7896	7903	7910	7917
62	7924	7931	7938	7945	7952	7959	7966	7973	7980	7987
63	7993	8000	8007	8014	8021	8028	8035	8041	8048	8055
64	8062	8069	8075	8082	8089	8096	8102	8109	8116	8122
65	8129	8136	8142	8149	8156	8162	8169	8176	8182	8189
66	8195	8202	8209	8215	8222	8228	8235	8241	8248	8254
67	8261	8267	8274	8280	8287	8293	8299	8306	8312	8319
68	8325	8331	8338	8344	8351	8357	8363	8370	8376	8382
69	8388	8395	8401	8407	8414	8420	8426	8432	8439	8445
70	8451	8457	8463	8470	8476	8482	8488	8494	8500	8506
71	8513	8519	8525	8531	8537	8543	8549	8555	8561	8567
72	8573	8579	8585	8591	8597	8603	8609	8615	8621	8627
73	8633	8639	8645	8651	8657	8663	8669	8675	8681	8686
74	8692	8698	8704	8710	8716	8722	8727	8733	8739	8745
75	8751	8756	8762	8768	8774	8779	8785	8791	8797	8802
76	8868	8814	8820	8825	8831	8837	8842	8848	8854	8859
77	8865	8871	8876	8882	8887	8893	8899	8904	8910	8915
78	8921	8927	8932	8938	8943	8949	8954	8960	8965	8971
79	8976	8982	8987	8993	8998	9004	9009	9015	9020	9025
80	9031	9036	9042	9047	9053	9058	9063	9069	9074	9079
81	9085	9090	9096	9101	9106	9112	9117	9122	9128	9133
82	9138	9143	9149	9154	9159	9165	9170	9175	9180	9186
83	9191	9196	9201	9206	9212	9217	9222	9227	9232	9238
84	9243	9248	9253	9258	9263	9269	9274	9279	9284	9289
85	9294	9299	9304	0200	0275	0220	0205	0220	0225	9340
86	9345			9309 9360	9315 9365	9320	9325	9330 9380	9335	9390
87		9350	9355			9370	9375		9385	9390
88	9395	9400	9405	9410	9415	9420	9425	9430	9435	9489
89	9445 9494	9450 9499	9455 9504	9460 9509	9465 9513	9469 9518	9474 9523	9479 9528	9484 9533	9538
-										
90	9542	9547	9552	9557	9562	9566	9571	9576	9581	9586
91	9590	9595	9600	9605	9609	9614	9619	9624	9628	9633
92	9638	9643	9647	9652	9657	9661	9666	9671	9675	9680
93 94	9685 9731	9689 9736	9694 9741	9699 9745	9703 9750	9708 9754	9713 9759	9717 9763	9722 9768	9727 9773
٠. ا									1	
95	9777	9782	9786	9791	9795	9800	9805 9850	9809	9814	9818 9863
96	9823 9868	9827	9832	9836	9841	9845		9854	9859	
97	9868	9872	9877	9881	9886	9890	9894	9899	9903	9908
98	9912	9917	9921	9926	9930	9934	9939	9943	9948	9952
99	9956	9961	9965	9969	9974	9978	9983	9987	9991	9996

NAPIERIAN LOGARITHMS

Base $\epsilon = 2.71828 +$

	0	1	2	8	4		€,	7	8	•
1.0	0.0000	0.0100	0.0198	0.0296	0.0392	0.0488	0.0583	0.0677	0.0770	0.0862
I.I	.0953	.1044	.1133	.1222	.1310	.1398	.1484	.1570	.1655	.1739
1.2	.1823	.1906	.1988	.2070	.2151	.2231	.2311	.2390	.2469	.2546
1.3	.2624	.2700	.2776	.2852	.2927	.3001	.3075	.3148	.3221	.3293
1.4	.3365	.3436	.3507	-3577	.3646	.3716	.3784	.3853	.3920	.3988
1.5	0.4055	0.4121	0.4187	0.4253	0.4318	0.4383	0.4447	0.4511	0.4574	0.463
1.6	.4700	.4762	.4824	.4886	-4947	.5008	.5068	.5128	.5188	.5247
1.7	.5306	.5365	·5423	.5481	·5539	.5596	.5653	.5710	.5766	.5822
1.8	.5878	-5933	.5988	.6043	.6098	.6152	.6206	.6259	.6313	.6366
1.9	.6419	.6471	.6523	.6575	.6627	.6678	.6729	.6780	.6831	.6881
2.0	0.6931	0.6981	0.7031	0.7080	0.7129	0.7178	0.7227	0.7275	0.7324	0.7372
2.I	.7419	.7467	.7514	.7561	.7608	.7655	.7701	.7747	· <u>7</u> 793	.7839
2.2	.7885	.7930	·7975	.8020	.8065	.8109	.8154	.8198	.8242	.8286
2.3	.8329	.8372	.8416	.8459	.8502	.8544	.8587	.8629	.8671	.8713
2.4	.8755	.8796	.8838	.8879	.8920	.8961	.9002	.9042	.9083	.912
2.5	0.9163	0.9203	0.9243	0.9282	0.9322	0.9361	0.9400	0.9439	0.9478	0.951
2.6	-9555	-9594	0.9632	0.9670	0.9708	0.9746	0.9783	0.9821	0.9858	0.989
2.7	-9933	.9969	1.0006	1.0043	1.0080	1.0116	1.0152	1.0188	1.0225	1.026
2:8	1.0296	1.0332	1.0367	1.0403	1.0438	1.6473	1.0508	1.0543	1.0578	1.061
2.9	1.0647	1.0682	1.0716	1.0750	1.0784	1.0818	1.0852	1.0886	1.0919	1.095
3.0	1.0986	1.1019	1.1053	1.1086	1.1119	1.1151	1.1184	1.1217	1.1249	1.128
3.1	1.1314	1.1346	1.1378	1.1410	1.1442	1.1474	1.1506	1.1537	1.1569	1.1600
3.2	1.1632	1.1663	1.1694	1.1725	1.1756	1.1787	1.1817	1.1848	1.1878	1.190
3.3	1.1939	1.1969	1.2000	1.2030	1.2060	1.2090	1.2119	1.2149	1.2179	1.220
3.4	1.2238	1.2267	1.2296	1.2326	1.2355	1.2384	1.2413	1.2442	1.2470	1.249
3.5	1.2528	1.2556	1.2585	1.2613	1.2641	1.2669	1.2698	1.2726	1.2754	1.278
3.6	1.2809	1.2837	1.2865	1.2892	1.2920	1.2947	1.2975	1.3002	1.3029	1.305
3.7	1.3083	1.3110	1.3137	1.3164	1.3191	1.3218	1.3244	1.3271	1.3297	1.332
3.8	1.3350	1.3376	1.3403	1.3429	1.3455	1.3481	1.3507	1.3533	1.3558	1.358
3.9	1.3610	1.3635	1.3661	1.3686	1.3712	1.3737	1.3762	1.3788	1.3813	1.383
4.0	1.3863	1.3888	1.3913	1.3938	1.3962	1.3987	1.4012	1.4036	1.4061	1.408
4.I	1.4110	1.4134	1.4159	1.4183	1.4207	1.4231	1.4255	1.4279	1.4303	1.432
4.2	1.4351	1.4375	1.4398	1.4422	1.4446	1.4469	1.4493	1.4516	1.4540	1.456
4.3	1.4586	1.4609	1.4633	1.4656	1.4679	1.4702	1.4725	1.4748	1.4770	1.479
4.4	1.4816	1.4839	1.4861	1.4884	1.4907	1.4929	1.4951	1.4974	1.4996	1.501
4.5	1.5041	1.5063	1.5085	1.5107	1.5129	1.5151	1.5173	1.5195	1.5217	1.523
4.6	1.5261	1.5282	1.5304	1.5326	1.5347	1.5369	1.5390	1.5412	1.5433	1.545
4.7	1.5476	1.5497	1.5518	1.5539	1.5560	1.5581	1.5602	1.5623	1.5644	1.566
4.8	1.5686	1.5707	1.5728	1.5748	1.5769	1.5790	1.5810	1.5831	1.5851	1.587
4.9	1.5892	1.5913	1.5933	1.5953	1.5974	1.5994	1.6014	1.6034	1.6054	1.607

To move decimal point n places to right (or left) add (or subtract) n times 2.3026. Thus

 $log_6 425 = 1.4469 + 4.6052 = 6.0521$ $log_6 0.00425 = 1.4469 - 6.9078 = \overline{6}.5391$

^{1 2.3026} 2 4.6052

^{6 13.8155} 7 16.1181

^{3 6.9078} 8 18.4207

^{4 9.2103} 9 20.7233

^{5 11.5129}

	0	1	2	8	4	5	6	7	8	•
5.0	1.6094	1.6114	1.6134	1.6154	1.6174	1.6194	1.6214	1.6233	1.6253	1.6273
5.1	1.6292	1.6312	1.6332	1.6351	1.6371	1.6390	1.6409	1.6429	1.6448	1.6467
5.2	1.6487	1.6506	1.6525	1.6544	1.6563	1.6582	1.6601	1.6620	1.6639	1.6658
5.3	1.6677	1.6696	1.6715	1.6734	1.6752	1.6771	1.6790	1.6808	1.6827	1.6845
5.4	1.6864	1.6882	1.6901	1.6919	1.6938	1.6956	1.6974	1.6993	1.7011	1.7029
5.5	1.7047	1.7066	1.7084	1.7102	1.7120	1.7138	1.7156	1.7174	1.7192	1.7210
5.6	1.7228	1.7246	1.7263	1.7281	1.7299	1.7317	1.7334	1.7352	1.7370	1.7387
5.7	1.7405	1.7422	1.7440	1.7457	1.7475	1.7492	1.7509	1.7527	1.7544	1.7561
5.8	1.7579	1.7596	1.7613	1.7630	1.7647	1.7664	1.7681	1.7699	1.7716	1.7733
5.9	1.7750	1.7766	1.7783	1.7800	1.7817	1.7834	1.7851	1.7867	1.7884	1.7901
6.0	1.7918	1.7934	1.7951	1.7967	1.7984	1.8001	1.8017	1.8034	1.8050	r.8066
6.1	1.8083	1.8099	1.8116	1.8132	1.8148	1.8165	1.8181	1.8197	1.8213	1.8229
6.2	1.8245	1.8262	1.8278	1.8294	1.8310	1.8326	1.8342	1.8358	1.8374	1.8390
6.3	1.8405	1.8421	1.8437	1.8453	1.8469	1.8485	1.8500	1.8516	1.8532	1.8547
6.4	1.8563	1.8579	1.8594	1.8610	1.8625	1.8641	1.8656	1.8672	1.8687	1.8703
6.5	1.8718	1.8733	1.8749	1.8764	1.8779	1.8795	1.8810	1.8825	1.8840	1.8856
6.6	1.8871	r.8886	1.8901	1.8916	1.8931	1.8946	1.8961	1.8976	1.8991	1.9006
6.7	1.9021	1.9036	1.9051	1.9066	1.9081	1.9095	1.9110	1.9125	1.9140	1.9155
6.8	1.9169	1.9184	1.9199	1.9213	1.9228	1.9242	1.9257	1.9272	1.9286	1.9301
6.9	1.9315	1.9330	1.9344	1.9359	1.9373	1.9387	1.9402	1.9416	1.9430	1.9445
7.0	1.9459	1.9473	1.9488	1.9502	1.9516	1.9530	1.9544	1.9559	1.9573	1.9587
7.1	1.9601	1.9615	1.9629	1.9643	1.9657	1.9671	1.9685	1.9699	1.9713	1.9727
7.2	1.9741	1.9755	1.9769	1.9782	1.9796	1.9810	1.9824	1.9838	1,9851	1.9865
7.3	1.9879	1.9892	1.9906	1.9920	1.9933	1.9947	1.9961	1.9974	1.9988	2.0001
7.4	2.0015	2.0028	2.0042	2.0055	2.0069	2.0082	2.0096	2.0109	2.0122	2.0136
7.5	2.0149	2.0162	2.0176	2.0189	2.0202	2.0215	2.0229	2.0242	2.0255	2.0268
7.6	2.0281	2.0295	2.0308	2.0321	2.0334	2.0347	2.0360	2.0373	2.0386	2.0399
7.7	2.0412	2.0425	2.0438	2.0451	2.0464	2.0477	2.0490	2.0503	2.0516	2.0528
7.8	2.0541	2.0554	2.0567	2.0580	2.0592	2.0605	2.0618	2.0631	2.0643	2.0656
7.9	2.0669	2.0681	2.0694	2.0707	2.0719	2.0732	2.0744	2.0757	2.0769	2.0782
8.0	2.0794	2.0807	2.0819	2.0832	2.0844	2.0857	2.0869	2.0882	2.0894	2.0906
8.1	2.0919	2.0931	2.0943	2.0956	2.0968	2.0980	2.0992	2.1005	2.1017	2.1029
8.2	2.1041	2.1054	2.1066	2.1078	2.1090	2.1102	2.1114	2.1126	2.1138	2.1150
8.3 8.4	2.1163	2.1175	2.1187	2.1199	2.1211	2.1223	2.1235	2.1247 2.1365	2.1258 2.1377	2.1270
8.5										
8.6	2.1401	2.1412	2.1424	2.1436	2.1448	2.1459	2.1471	2.1483	2.1494	2.1506
8.7	2.1518	2.1529	2.1541	2.1552 2.1668	2.1564	2.1576	2.1587	2.1599	2.1610	2.1022
8.8	2.1633	2.1645	2.1656	2.1782	2.1679	2.1691 2.1804	2.1702	2.1713	2.1725	2.1849
8.9	2.1861	2.1759	2.1883	2.1894	2.1793 2.1905	2.1917	2.1928	2.1027	2.1950	2.1961
9.0	2.1972	2.1983	2.1994	2.2006	2.2017	2.2028	2.2039	2.2050	2.2061	2.2072
9.1	2.19/2	2.1903	2.1994	2.2116	2.2127	2.2138	2.2148	2.2159	2.2170	2.2181
9.1	2.2192	2.2094	2.2105	2.2225	2.212/	2.2246	2.2257	2.2268	2.2279	2.2289
	2.2300							2.2375	2.2386	2.2396
9·3 . 9·4	2.2407	2.2311	2.2322	2.2332	2.2343	2.2354	2.2364	2.2481	2.2492	2.2502
9.5	2.2513	2.2523	2.2534	2.2544		2.2565	2.2576	2.2586	2.2597	2.2607
9.6	2.2513	2.2523	2.2638	2.2544	2.2555	2.2670	2.2570	2.2690	2.2701	2.2711
9.0	2.2721	2.2732	2.2742	2.2752	2.2762	2.2773	2.2783	2.2793	2.2803	2.2814
.9.8	2.2824	2.2834	2.2844	2.2854	2.2865	2.2875	2.2885	2.2895	2.2905	2.2915
9.9	2.2925	2.2935	2.2945	2.2956	2.2966	2.2076	2.2986	2.2996	2.3006	2.3016
10.0	2.3026]	Ī			1	

The following tables give the numerical relations between the various units of pressure, energy, and power. For the calculation of the equivalents the following data are required.

		ıog				ıog
ı meter	_ § 39.37 * in.	1.59517	1 horsepower	=	550 ft. lb./sec.	2.74036
1 mever	_ \ 3.28083 ft.	0.51598	1 cheval-vapeur	=	75 kg. m./sec.	1.87506
ı kilogram	= 2.20462 lb.	0.34333	r poncelet	=	100 kg. m./sec.	2.00000
1 mean calorie	= 4.184 joules	0.62159	g (standard)	_ 1	32.174 ft./sec.2	1.50750
ı atmosphere	= 760 mm. of Hg.	2.88081	g (standard)	_ ;	32.174 ft./sec. ² 9 80.665 cm./sec.	2 2.99152

PRESSURE

Kilograms per sq. cm.	Pounds per sq. in.	Pounds per sq. ft.	Atmospheres	Meters of mercury	Inches of mercury	Feet of water (at 60° F.)
1	14.223	2048.2	0.96781	0.73553	28.958	32.837
	1.55300†	3.31137	1.98579	ī.86660	1.46177	1.51636
0.070307	1	144*	0.068044	0.051713	2.0360	2.3087
2.84700		2.15836	2.83279	2.71360	0.30877	0. 3633 6
4.882 × 10 ⁻⁴	6.944×10 ⁻³	1	4.7253×10 ⁻⁴	3.591 × 10 ⁻⁴	0.014139	0.016032
4.68863	3.84164		4.67442	4.55524	2.15041	2.20500
1.0333	14.696	2116.3	1	0.760	29.921	33.929
0.01421	1.16721	3-32557		ī.88081	1.47598	1.53058
1.3596 0.13340	19.338 1.28640	2784.6 3.44476	1.3158	1	39.37 1.59517	44.644 1.64976
0.034532	0.49117	70.728	0.035364	0.0254	1	1.1340
2.53822	ī.69123	1.84959	2.548 5 6	2.40484		0.05460
0.030453	0.43315	62.374	0.029473	0.07349	0.88187 <i>\</i>	1
ā.48364	1.63364	1.79500	2.46942	2.86623	1.94540	

ENERGY

Foot-pounds	Meter-kilograms	Mean British thermal units	Gram-calories	Joules	Horsepower- hours	Kilowatt-hours
1	0.13826 ī.14068	0 001 2860 3.10922	0.32405 1.51062	1.3558	5.0505 × 10 ⁻⁷ 7.79333	3.7662 × 10 ⁻⁷ 7.57590
7.2330	1	9.302 × 10 ⁻²	2.3440	9.80665	3.6530×10 ⁻⁴	2.7241 × 10 ⁻⁴
0.85932		3.96854	0.36994	0.99152	6.56265	6.43522
777.64 2.89078	107.51	1	252.00 2.40139	1054.3 3.02298	3.9275×10 ⁻⁴ 4.59412	2.9288 × 10 ⁻⁴ 4.46668
3.0859	0.42664	0.0039683	1	4.184	1.5585×10 ⁻⁶	1.1621 × 10 ⁻⁴
0.48938	7.63006	3.59861		0.62159	6.19271	6.06528
0.73756	0.10197	9.485×10 ⁻⁴	0.2390	1	3.7251×10 ⁻⁷	2.7778×10 ⁻⁷
ī.86780	ī.00848	4.977 ⁰²	ī.37841		7.57113	7-44370
1.98 × 10 ⁶	2.7375×10 ⁵	2546.2	6.4164×10 ⁵	2.6845×10 ⁶	1	0.74571
6.29667	5.43735	3.40588	5.80729	6.42887		1-87257
2.6552×10 ⁶ 6.42410	3.6710×10 ⁵ 5.56478	3414.5 3.53332	8.6044×10 ⁵ 5.93472	3.6×10 ⁶ 6.55630	1.3410	1

Power

Kilowatts	Horsepower	Cheval-vapeur	Poncelet	Met. kg. per sec.	Pt. lb. per sec.	Gr. cal. per sec.	B.t.u. per sec.
1	1.341	1.3600	1.0197	101.97	737.56 2.86780	239.01 2.37842	0.9485 1.97702
0.7457	1	1.0139	0.7604	76.04	550	178.23	0.7073
1.87257		0.00598	ī.88104	1.88104	2.74036	2.25098	ī.849 5 8
O.7355	0.9863	1	0.75	75	542.5	175.79	0.6976
₹.86659	1.99402		f.87506	1.87506	2.73438	2.24500	1.84360
0.980665	1.3151	1.333	1	100	723.3	234.39	0.9301
1.99152	0.11896	0.12493		2.00000	2.85932	2.36994	ī.96854
9.807×10 ⁻³	0.01315	0.01333	0.01	1	7·233	2.344	9.301 X 10 ⁻³
3.99152	2.11896	2.12493	2.00000 .		0.85932	0.36994	3.96854
1.356×10 ⁻⁸ 3.13220	3.25964	3.26562	1.3825×10 ⁻³ 3.14068	0.13825 T.14068	1	0.32405 ī.51062	1.286 × 10 ⁻³ 3.10922
4.184×10 ⁻³	5.610×10 ⁻³	5.695×10 ⁻³	4.2664×10 ⁻³	0.42664	3.0859	1	3.9683×10 ⁻⁸
3.62158	3.74902	3.75500	3.63006	ī.63006	0.48938		3.59861
I.0543	1.4139	1.4325	1.0751	107.51	777.64	252.00	1
0.02298	0.15042	0.15640	0.03146	2.03146	2.89c78	2.40139	

Numbers in black face type indicate exact values by definition.
 † The numbers in smaller type are the logarithms of the numbers immediately above them.

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